



ANTRICA

encoders | decoders

HTTP API Configuration Parameters

Please this guide is for Antrica encoders, decoders and cameras. Some of the model numbers mentioned and covered by this guide are ANT-35000, ANT-36x00, ANT-3400, ANT-3300, ANT-45000. Please note some of these products are no longer available, and other newer products are included, but not referenced by model number.

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Document info

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1. Overview

This document describes configuration parameters of Truen video servers and IP cameras of TCAM series. These parameters are used to control system operations, and they can be read or write in more than one methods from client application.

Applications based on SDK(TVSC control) can use GetServerConfig and SetServerConfig API. HTTP API users can use ReadParam and WriteParam API.

Each parameter is described in the following form.

PARAMETER_NAME	
Explanation of the parameter	
Type	Type of the parameter
Values	Possible values
Comment	
Comment on the parameter	
Side Effect	
The effect of setting of the parameter on the system	
String for HTTP API	
Example for using HTTP API	

TVSC user and HTTP API user should use each parameter in different ways.

Items	TVSC User	HTTP API User
Parameter name	Use 2 bytes value assigned to each parameter	Uses the string for parameter
Type and Values	Type of each parameter should be recognized correctly. The value in Values part should be of the type specified in Type part.	Type part is not used. String is used as the value in Values part.
Comment	Common	
Side effect	Common	
String for HTTP API		Example for using a string for reading/writing a parameter

		using HTTP API
--	--	----------------

These are simple examples to write video brightness to 45 and video contrast to 55.

- HTTP API user

```

http://<server>/httpapi/WriteParam?action=writeparam&VID_
BRIGHTNESS=45&VID_CONTRAST=55
HTTP/1.0 200 OK\r\n
Content-Type: text/plain\r\n
\r\n
Ok\r\n
  
```

- TVSC user

```

BYTE bright = 45;
BYTE contr = 55;
stConfig sConf[2]={0};
int size = sizeof(bright);

sConf[0].nItem = 0x020A; // VID_BRIGHTNESS
sConf[0].cbSize = size;
sConf[0].pbData = (BYTE *)&bright;
sConf[1].nItem = 0x020B; // VID_CONTRAST
sConf[1].cbSize = size;
sConf[1].pbData = (BYTE *)&contr;
VARIANT_BOOL b;
ptr->SetServerConfig(m_ChID, 2, sConf, &b);
  
```

2. Configuration Parameters

2.1 Parameters and Groups

Configuration parameters are grouped into several groups. A group is also referred as a 'page'.

Page(Group)	Item	Value	Description
system	SYS_MODE	0x0101	Reboot
	SYS_STANDARD	0x0102	Reboot
	SYS_PROTOCOL	0x0103	Not used
	SYS_SYSTEMID	0x0104	
	SYS_VERSION	0x0105	Read-only
	SYS_STARTTIME	0x0106	Read-only
	SYS_CURRENTTIME	0x0107	
	SYS_REBOOT	0x0108	Write-only, Reboot
	SYS_ISIPCAM	0x0109	Read-only
	SYS_TIMEZONE	0x010A	
	SYS_DLSENABLE	0x010B	
	SYS_NTPENABLE	0x010C	
	SYS_NTPDOMAIN	0x010D	
	SYS_LOGINSKIPENABLE	0x010E	
	SYS_LOGINSKIPRIORITY	0x010F	
	SYS_TRANSCODE	0x0110	Not used
	SYS_VMODE	0x0111	Not used
	SYS_AMODE	0x0112	Not used
	SYS_REVERSECONNECT	0x0113	Not used
	SYS_RELAYMODE	0x0114	Not used
	SYS_CHANNELUSE	0x0115	Not used
	SYS_LANGUAGE	0x0116	
	SYS_RESET	0x0117	Write-only, Reboot
	SYS_RESET_V2		Write-only, Reboot
	SYS_MODELNAME	0x0118	Read-only
	SYS_MODELNAME2	0x0119	Not used
SYS_BOARDID	0x011A	Read-only	

	SYS_NUMOFVIDEO	0x011B	Read-only
	SYS_NUMOFVIDEO	0x011C	Read-only
	SYS_NUMOFSENSOR	0x011D	Read-only
	SYS_NUMOFALARM	0x011E	Read-only
	SYS_TIMEFORMAT	0x011F	
	SYS_CURRENT_TEMP		Read-only
	SYS_INTRA_Q		
	SYS_OPENSSLVERSION		Read-only
	SYS_LOGEXCLUDEITEM		
Video	VID_PREFERENCE	0x0201	
See Note3	VID_RESOLUTION	0x0202	
	VID_FRAMERATE	0x0203	
	VID_QUALITY	0x0204	
	VID_BANDWIDTH	0x0205	
	VID_IINTERVAL	0x0206	
	VID_MDTRESHOLD	0x0207	
	VID_MOTIONAREA	0x0208	
	VID_MDSENSITIVITY	0x0209	Not used
	VID_BRIGHTNESS	0x020A	
	VID_CONTRAST	0x020B	
	VID_HUE	0x020C	
	VID_SATURATION	0x020D	
	VID_BURNINID	0x020E	
	VID_BURNINTIME	0x020F	
	VID_BURNINPOSITION	0x0210	
	VID_DEINTERLACE	0x0211	Not used
	VID_ENCODEDELAY	0x0212	Not used
	VID_DECODEDELAY	0x0213	Not used
	VID_NODELAYFLAG	0x0214	Not used
	VID_ALGORITHM	0x0215	Not used
	VID_MOTIONENABLE	0x0216	
	VID_INFODISPID	0x0217	
	VID_INFODISPTIME	0x0218	
	VID_INFODISPOSITION	0x0219	
	VID_LOWLATENCY	0x021A	Not used

VID_USEDUAL	0x021B	
VID_DUALALGORITHM	0x021C	
VID_DUALPREFERENCE	0x021D	
VID_DUALRESOLUTION	0x021E	
VID_DUALFRAMERATE	0x021F	
VID_DUALQUALITY	0x0220	
VID_DUALBANDWIDTH	0x0221	
VID_DUALIINTERVAL	0x0222	
VID_INPUTFORMAT	0x0223	
VID_OUTPUTFORMAT	0x0224	
VID_BURNINSIZE	0x0225	
VID_PREVIEWENABLE	0x0226	Not used
VID_FRAMEENCODE	0x0227	
VID_FPSREAD	0x0228	Read-only
VID_DISPLAYDISABLE	0x0229	
VID_CURENCBITRATE	0x022A	Read-only
VID_CURDECBITRATE	0x022B	Read-only
VID_CURENCFPS	0x022C	Read-only
VID_CURDECFPS	0x022D	Read-only
VID_DUALCURENCBITRATE	0x022E	Read-only
VID_DUALCURDECBITRATE	0x022F	Read-only
VID_DUALCURENCFPS	0x0230	Read-only
VID_DUALCURDECFPS	0x0231	Read-only
VID_SCALEENABLE,	0x0232	
VID_DUALSCALEENABLE	0x0233	
VID_CAPRESOLUTION	0x0234	Read-only
VID_CAPBANDWIDTHMAX	0x0235	Read-only
VID_CAPBANDWIDTHMIN	0x0236	Read-only
VID_CAPFRAMERATEMAX	0x0237	Read-only
VID_CAPFRAMERATEMIN	0x0238	Read-only
VID_CAPDUALRESOLUTION	0x0239	Read-only
VID_CAPDUALBANDWIDTHMAX	0x023A	Read-only
VID_CAPDUALBANDWIDTHMIN	0x023B	Read-only
VID_CAPDUALFRAMERATEMAX	0x023C	Read-only
VID_CAPDUALFRAMERATEMIN	0x023D	Read-only

VID_INPUTCOLORFORMAT	0x023E	
VID_INPUTDEINTERLACE	0x023F	
VID_ADAPTIVEMINBAND	0x0240	Not used
VID_H264PROFILE	0x0241	
VID_DUALH264PROFILE	0x0242	
VID_MDDISABLEONPTZ	0x0243	
VID_DM3DCOMBOFILTER	0x0244	
VID_DM3DNOISEREDUCTION	0x0245	
VID_DM3DDEINTERLACE	0x0246	
VID_DMWDRMODE	0x0247	
VID_DMDEMISTMODE	0x0248	
VID_USETRIPLE1	0x0249	
VID_TRIPLEALGORITHM1	0x024A	
VID_TRIPLEPREFERENCE1	0x024B	
VID_TRIPLERESOLUTION1	0x024C	
VID_TRIPLEFRAMERATE1	0x024D	
VID_TRIPLEQUALITY1	0x024E	
VID_TRIPLEBANDWIDTH1	0x024F	
VID_TRIPLEINTERVAL1	0x0250	
VID_TRIPLESCALEENABLE1	0x0251	
VID_TRIPLEH264PROFILE1	0x0252	
VID_TRIPLECURENCBITRATE1	0x0253	
VID_TRIPLECURDECBITRATE1	0x0254	
VID_TRIPLECURENCFPS1	0x0255	
VID_TRIPLECURDECFPS1	0x0256	
VID_USETRIPLE2	0x0257	
VID_TRIPLEALGORITHM2	0x0258	
VID_TRIPLEPREFERENCE2	0x0259	
VID_TRIPLERESOLUTION2	0x025A	
VID_TRIPLEFRAMERATE2	0x025B	
VID_TRIPLEQUALITY2	0x025C	
VID_TRIPLEBANDWIDTH2	0x025D	
VID_TRIPLEINTERVAL2	0x025E	
VID_TRIPLESCALEENABLE2	0x025F	
VID_TRIPLEH264PROFILE2	0x0260	

	VID_TRIPLECURENCBITRATE2	0x0261	
	VID_TRIPLECURDECBITRATE2	0x0262	
	VID_TRIPLECURENCFPS2	0x0263	
	VID_TRIPLECURDECFPS2	0x0264	
	VID_CAPTRIPLERESOLUTION1	0x0265	Read-only
	VID_CAPTRIPLEBANDWIDTHMAX1	0x0266	Read-only
	VID_CAPTRIPLEBANDWIDTHMIN1	0x0267	Read-only
	VID_CAPTRIPLEFRAMERATEMAX1	0x0268	Read-only
	VID_CAPTRIPLEFRAMERATEMIN1	0x0269	Read-only
	VID_CAPTRIPLERESOLUTION2	0x026A	Read-only
	VID_CAPTRIPLEBANDWIDTHMAX2	0x026B	Read-only
	VID_CAPTRIPLEBANDWIDTHMIN2	0x026C	Read-only
	VID_CAPTRIPLEFRAMERATEMAX2	0x026D	Read-only
	VID_CAPTRIPLEFRAMERATEMIN2	0x026E	Read-only
	VID_MOTIONREGION	0x0270	
	VID_DUALROIDISABLE		
	VID_TRIPLEROIDISABLE1		
	VID_TRIPLEROIDISABLE2		
	VID_ROIPos1X		
	VID_ROIPos1Y		
	VID_ROIPos1W		
	VID_ROIPos1H		
	VID_ROIPos2X		
	VID_ROIPos2Y		
	VID_ROIPos2W		
	VID_ROIPos2H		
	VID_ROIPos3X		
	VID_ROIPos3Y		
	VID_ROIPos3W		
	VID_ROIPos3H		
	VID_CROPENABLE		
audio	AUD_AUDIOMODE	0x0301	
	AUD_SAMPLERATE	0x0302	Not used
	AUD_BITRATE	0x0303	
	AUD_GAIN	0x0304	

	AUD_DELAY	0x0305	Not used
	AUD_ALGORITHM	0x0306	
	AUD_HALFDUPLEX	0x0307	Not used
	AUD_NOISETHR	0x0308	Not used
	AUD_LOOPBACK	0x0309	Not used
	AUD_RECVPORT	0x030A	
	AUD_CURENCBITRATE	0x030B	Read-only
	AUD_CURDECBITRATE	0x030C	Read-only
network	NET_LOCALIPMODE	0x0401	Reboot
	NET_REMOTECONNECT	0x0402	
	NET_REMOTEIPMODE	0x0403	Not used
	NET_REMOTECHANNEL	0x0404	
	NET_LOCALIP	0x0405	Reboot
	NET_LOCALGATEWAY	0x0406	Reboot
	NET_LOCALSUBNET	0x0407	Reboot
	NET_ADSLID	0x0408	Not used
	NET_ADSLPASSWORD	0x0409	Not used
	NET_REMOTEIP	0x040A	Not used
	NET_DOMAINNAME	0x040B	
	NET_MULTICASTIP	0x040C	Reboot
	NET_DNSIP	0x040D	Reboot
	NET_DDNSSERVERIP	0x040E	Not used
	NET_DDNSREGISTER	0x040F	
	NET_KEEPAIVETIME	0x0410	Not used
	NET_KEEPAIVEINTERVAL	0x0411	Not used
	NET_BASEPORT	0x0412	Reboot
	NET_HTTPPORT	0x0413	
	NET_FLOWCONTROLMODE	0x0414	
	NET_AUTOIINTERVAL	0x0415	Not used
	NET_CURRENTIP	0x0416	Read-only
	NET_CURRENTDOMAIN	0x0417	Read-only
	NET_MAC	0x0418	Read-only
NET_DYNDNSDOMAIN	0x0419		
NET_DYDNSID	0x041A		
NET_DYDNSPASSWD	0x041B		

NET_PROTOCOL	0x041C	
NET_DNSAUTO	0x041D	Reboot
NET_DNSIP2	0x041E	Reboot
NET_BANDWIDTH	0x041F	Not used
NET_CLIENTPORT	0x0420	Not used
NET_BITRATECONTROL	0x0421	Not used
NET_RTSPPORT	0x0422	
NET_WATCHHOMEENABLE	0x0423	Not used
NET_WATCHHOMEIP	0x0424	Not used
NET_WATCHHOMECONTROLPORT	0x0425	Not used
NET_WATCHHOMEIMAGEPORT	0x0426	Not used
NET_WATCHHOMELIVECHECKTIME	0x0427	Not used
NET_WATCHHOMEMOTIONENABLE	0x0428	Not used
NET_UCONNECTIP	0x0429	Not used
NET_UCONNECTPORT	0x042A	Not used
NET_UCONNECTRETRY	0x042B	Not used
NET_USERTPSESSION	0x042C	
NET_RTPSESSIONPORT	0x042D	
NET_RTPSESSIONUSER	0x042E	
NET_RTPSESSIONFILE	0x042F	
NET_RTPSESSIONIP	0x0430	
NET_MAINCONNECT	0x0431	
NET_SNMPTRAPIP	0x0432	
NET_SNMPTRAPPORT	0x0433	
NET_SNMPPORT	0x0434	
NET_REMOTEUSER	0x0435	Not used
NET_REMOTEPASS	0x0436	Not used
NET_USESS	0x0437	
NET_SSIP	0x0438	
NET_SSSPORT	0x0439	
NET_SSUSER	0x043A	
NET_SSPASS	0x043B	
NET_REMOTEPORT	0x043C	
NET_USERTSPAUTH	0x043D	
NET_REMOTETYPE	0x0445	

	NET_USEHTTPAPIAUTH	0x0447	
	NET_UPNPENABLE	0x0453	
	NET_ZEROCONFENABLE	0x0454	
	NET_WSDISCOVERYENABLE	0x0458	
	NET_HTTPSPORT	0x0459	
	NET_IPV6LINKLOCALADDRESS	0x045A	
	NET_TTL	0x045C	
	NET_RTPSESSIONVIDEO	0x045E	
	NET_QOSENABLE		
	NET_DSCP		
	NET_SSELENABLE		
	NET_SSLCRYPTO		
	NET_SSLUSER		
	NET_SSLPASS		
	NET_SSLADDRESS		
	NET_SSLPORT		
serial	SER_PROTOCOL_1	0x0501	
	SER_BITRATE_1	0x0502	
	SER_DATABIT_1	0x0503	
	SER_PARITY_1	0x0504	
	SER_STOPBIT_1	0x0505	
	SER_PROTOCOL_2	0x0506	
	SER_BITRATE_2	0x0507	
	SER_DATABIT_2	0x0508	
	SER_PARITY_2	0x0509	
	SER_STOPBIT_2	0x050A	
	SER_SENSORTYPE_1	0x050B	
	SER_SENSORTYPE_2	0x050C	
	SER_PTZTYPE	0x050D	Multi-channel See Note4
	SER_PTZID	0x050E	Multi-channel See Note4
	SER_PTZPORT	0x050F	Multi-channel See Note4
	SER_PROTOCOL_3	0x0510	Not used
	SER_BITRATE_3	0x0511	Not used
	SER_DATABIT_3	0x0512	Not used
	SER_PARITY_3	0x0513	Not used

SER_STOPBIT_3	0x0514	Not used
SER_PROTOCOL_4	0x0515	Not used
SER_BITRATE_4	0x0516	Not used
SER_DATABIT_4	0x0517	Not used
SER_PARITY_4	0x0518	Not used
SER_STOPBIT_4	0x0519	Not used
SER_SENSORTYPE_3	0x051A	Not used
SER_SENSORTYPE_4	0x051B	Not used
SER_PORTMODE	0x051C	Not used
SER_CHANNELMAP	0x051D	Not used
SER_CHANNELPORT	0x051E	Not used
SER_SEN1SCHE SUN	0x051F	
SER_SEN1SCHE MON	0x0520	
SER_SEN1SCHE TUE	0x0521	
SER_SEN1SCHE WED	0x0522	
SER_SEN1SCHE THR	0x0523	
SER_SEN1SCHE FRI	0x0524	
SER_SEN1SCHE SAT	0x0525	
SER_SEN2SCHE SUN	0x0526	
SER_SEN2SCHE MON	0x0527	
SER_SEN2SCHE TUE	0x0528	
SER_SEN2SCHE WED	0x0529	
SER_SEN2SCHE THR	0x052A	
SER_SEN2SCHE FRI	0x052B	
SER_SEN2SCHE SAT	0x052C	
SER_SEN3SCHE SUN	0x052D	
SER_SEN3SCHE MON	0x052E	
SER_SEN3SCHE TUE	0x052F	
SER_SEN3SCHE WED	0x0530	
SER_SEN3SCHE THR	0x0531	
SER_SEN3SCHE FRI	0x0532	
SER_SEN3SCHE SAT	0x0533	
SER_SEN4SCHE SUN	0x0534	
SER_SEN4SCHE MON	0x0535	
SER_SEN4SCHE TUE	0x0536	

	SER_SEN4SCHEWED	0x0537	
	SER_SEN4SCHETHR	0x0538	
	SER_SEN4SCHEFRI	0x0539	
	SER_SEN4SCHESAT	0x053A	
	SER_DIRECTKEYBOARD	0x053B	
	SER_POSSESSIONTIME	0x053C	
event	EVT_LOCALSENSOR_1	0x0601	
	EVT_LOCALSENSOR_2	0x0602	
	EVT_REMOTESENSOR_1	0x0603	
	EVT_REMOTESENSOR_2	0x0604	
	EVT_LOCALLOSS	0x0605	
	EVT_REMOTELOSS	0x0606	
	EVT_LOCALMOTION	0x0607	
	EVT_REMOTEMOTION	0x0608	
	EVT_DISCONNECT	0x0609	
	EVT_BEEP_DURATION	0x060A	
	EVT_RELAY_DURATION_1	0x060B	
	EVT_RELAY_DURATION_2	0x060C	
	EVT_RECORDMODE	0x060D	Not used
	EVT_PRETIME	0x060E	
	EVT_POSTTIME	0x060F	
	EVT_LOCALSENSOR_3	0x0610	Not used
	EVT_LOCALSENSOR_4	0x0611	Not used
	EVT_REMOTESENSOR_3	0x0612	Not used
	EVT_REMOTESENSOR_4	0x0613	Not used
	EVT_RELAY_DURATION_3	0x0614	Not used
	EVT_RELAY_DURATION_4	0x0615	Not used
	EVT_EMAILSERVER	0x0616	
	EVT_EMAILID	0x0617	
	EVT_EMAILPASS	0x0618	
	EVT_EMAILDEST	0x0619	
	EVT_EMAILVATTACH	0x061A	
	EVT_EMAILAUTHENT	0x061B	
	EVT_FTPSERVER	0x061C	
EVT_FTPPORT	0x061D		

EVT_FTPID	0x061E	
EVT_FTPPASS	0x061F	
EVT_EMAILPORT	0x0620	
EVT_PRESETLOCALSENSOR_1	0x0621	
EVT_PRESETLOCALSENSOR_2	0x0622	
EVT_PRESETLOCALSENSOR_3	0x0623	Not used
EVT_PRESETLOCALSENSOR_4	0x0624	Not used
EVT_PRESETREMOTESENSOR_1	0x0625	
EVT_PRESETREMOTESENSOR_2	0x0626	
EVT_PRESETREMOTESENSOR_3	0x0627	Not used
EVT_PRESETREMOTESENSOR_4	0x0628	Not used
EVT_PRESETLOCALLOSS	0x0629	
EVT_PRESETLOCALMOTION	0x062A	
EVT_PRESETREMOTELOSS	0x062B	
EVT_PRESETREMOTEMOTION	0x062C	
EVT_PRESETDISCONNECT	0x062D	
EVT_EMAILSENDER	0x062E	
EVT_FTPCONTUPLOAD	0x062F	
EVT_FTPCONTDURATION	0x0630	
EVT_FTPCONTINTERVAL	0x0631	
EVT_FTPUPLOADVIDEO	0x0632	Not used
EVT_LOCALAUDIODETECTION		
EVT_REMOTEAUDIODETECTION		
EVT_LINECROSSING		IVS License
EVT_INTRUSION		IVS License
EVT_TAMPERING		IVS License
EVT_PRESETLOCALAUDIODETECTION		
EVT_PRESETREMOTEAUDIODETECTION		
EVT_PRESETLINECROSSING		IVS License
EVT_PRESETINTRUSION		IVS License
EVT_PRESETTAMPERING		IVS License
EVT_OSDLOCALSENSOR_1		
EVT_OSDLOCALSENSOR_2		
EVT_OSDLOCALSENSOR_3		
EVT_OSDLOCALSENSOR_4		

EVT_OSDREMOTESENSOR_1		
EVT_OSDREMOTESENSOR_2		
EVT_OSDREMOTESENSOR_3		
EVT_OSDREMOTESENSOR_4		
EVT_OSDLOCALLOSS		
EVT_OSDREMOTELLOSS		
EVT_OSDLOCALMOTION		
EVT_OSDREMOTEMOTION		
EVT_OSDDISCONNECT		
EVT_OSDLOCALAUDIODETECTION		
EVT_OSDREMOTEAUDIODETECTION		
EVT_OSDLINECROSSING		IVS License
EVT_OSDINTRUSION		IVS License
EVT OSDTAMPERING		IVS License
EVT_HTTPLOCALSENSOR_1		
EVT_HTTPLOCALSENSOR_2		
EVT_HTTPLOCALSENSOR_3		
EVT_HTTPLOCALSENSOR_4		
EVT_HTTPREMOTESENSOR_1		
EVT_HTTPREMOTESENSOR_2		
EVT_HTTPREMOTESENSOR_3		
EVT_HTTPREMOTESENSOR_4		
EVT_HTTPLOCALLOSS		
EVT_HTTPREMOTELLOSS		
EVT_HTTPLOCALMOTION		
EVT_HTTPREMOTEMOTION		
EVT_HTTPDISCONNECT		
EVT_HTTPLOCALAUDIODETECTION		
EVT_HTTPREMOTEAUDIODETECTION		
EVT_HTTPLINECROSSING		IVS License
EVT_HTTPINTRUSION		IVS License
EVT_HTTPPTAMPERING		IVS License
EVT_USERDEFINEDEVENT1		
EVT_USERDEFINEDEVENT2		
EVT_USERDEFINEDEVENTTYPE1		

	EVT_USERDEFINEDEVENTTYPE2		
	EVT_PRESETUSERDEFINEDEVENT1		
	EVT_PRESETUSERDEFINEDEVENT2		
	EVT OSDUSERDEFINEDEVENT1		
	EVT OSDUSERDEFINEDEVENT2		
	EVT_HTTPUSERDEFINEDEVENT1		
	EVT_HTTPUSERDEFINEDEVENT2		
display	DIS_LOCALSENSOR	0x0701	
	DIS_REMOTESENSOR	0x0702	
	DIS_MOTION	0x0703	
	DIS_SITEVIEW	0x0704	
	DIS_SITEPOSITION	0x0705	
	DIS_DISCONNECTSCREEN	0x0706	
	DIS_LEDVIEW	0x0707	
	DIS_BRIGHTNESS	0x0708	Not used
	DIS_CONTRAST	0x0709	Not used
	DIS_HUE	0x070A	Not used
	DIS_SATURATION	0x070B	Not used
	DIS_BACKLIGHTON	0x070C	Not used
	DIS_KEYBEEPENABLE	0x070D	Not used
	DIS_QUADOUT	0x070E	Not used
	DIS_ROTATETIME	0x070F	Not used
user	USR_LOGINID	0x0801	Not used
	USR_LOGINPASS	0x0802	Not used
	USR_DEL	0x0803	Write-only
	USR_ADD	0x0804	Write-only
	USR_MODPASS	0x0805	Write-only
	USR_MODPRI	0x0806	Write-only
	USR_LIST	0x0807	Read-only
	USR_ACCESSEDURL	0x0808	Not used
	USR_PRIORITY	0x0809	Not used
	USR_CHECKUSER	0x080A	Write-only
record	REC_ENABLE	0x0901	Reboot
	REC_DISKTYPE	0x0902	Read-only
	REC_DISKSIZE	0x0903	Read-only

	REC_DISKAVAILABLE	0x0904	Read-only
	REC_MANUALREC	0x0905	
	REC_OVERWRITE	0x0906	
	REC_EVTTYPE1	0x0907	
	REC_EVTTYPE2	0x0908	
	REC_EVTTYPE3	0x0909	
	REC_EVTTYPE4	0x090A	
	REC_PRETIME	0x090B	
	REC_POSTTIME	0x090C	
	REC_SCHESUN	0x090D	
	REC_SCHEMON	0x090E	
	REC_SCHETUE	0x090F	
	REC_SCHEWED	0x0910	
	REC_SCHETHU	0x0911	
	REC_SCHEFRI	0x0912	
	REC_SCHESAT	0x0913	
	REC_FORMAT	0x0914	Write-only
	REC_MAXFILESIZE	0x0915	
	REC_DISKINFO		Read-only
	REC_MAXFILELENGTH		
	REC_BACKUPTOFTP		
	REC_ERASEAFTERBACKUP		
	REC_STARTBACKUP		
	REC_RECORDVIDEO		
	REC_RECORDFILEFORMAT		
PTZ See Note5	PTZ_AUTOPARKINGTIME		
	PTZ_AUTOPARKINGACTION		
	PTZ_AUTOPARKINGACTION1		
	PTZ_AUTOPARKINGACTION2		
	PTZ_AUTOPARKINGACTION3		
	PTZ_AUTOPARKINGACTION4		
	PTZ_GROUPxxACTIONyy		
	PTZ_GROUPxxDWELLyy		
	PTZ_GROUPxxOPTIONyy		
PTZ_GROUPxxENABLEyy			

	PTZ_GROUPxxWITHTRACKING		
	PTZ_SWINGENABLExx		
	PTZ_SWING1STOPSxx		
	PTZ_SWING2NDPOSxx		
	PTZ_SWINGSPEEDxx		
	PTZ_PTCondTime		
	PTZ_PTCondDuration		
	PTZ_PTName		
	PTZ_ExtPTZAddr		
	PTZ_ExtPTZHttpPort		
	PTZ_ExtPTZBasePort		
	PTZ_ExtPTZUse		
	PTZ_ExtPTZDragandZoom		
	PTZ_ExtPTZAutoMode		
	PTZ_ExtPTZZoomEffective		
	PTZ_ExtPTZPauseDuration		
	PTZ_AUTOCALIBRATION		
	PTZ_AUTOCALIBRATIONTIME		
camera	CAM_SONY_WBMode	See Note6	Multi-config See Note7
See Note5	CAM_SONY_RGain		Multi-config
	CAM_SONY_BGain		Multi-config
	CAM_SONY_AEMode		Multi-config
	CAM_SONY_DSSMode		Multi-config
	CAM_SONY_DSSLimit		Multi-config
	CAM_SONY_DN		Multi-config
	CAM_SONY_DN_Threshold		Multi-config
	CAM_SONY_ND_Threshold		Multi-config
	CAM_SONY_FLIP		Multi-config
	CAM_SONY_DZ		Multi-config
	CAM_SONY_WDR		Multi-config
	CAM_SONY_BLC		Multi-config
	CAM_SONY_Brightness		Multi-config
	CAM_SONY_Iris		Multi-config
	CAM_SONY_Shutter		Multi-config
	CAM_SONY_Gain		Multi-config

CAM_SONY_APT_LEVEL		Multi-config
CAM_SONY_MIRROR		Multi-config
CAM_SONY_NR		Multi-config
CAM_SONY_MinFocusLength		Multi-config
CAM_SONY_IS		Multi-config
CAM_SONY_GammaMode		Multi-config
CAM_SONY_GammaOffset		Multi-config
CAM_SONY_Gamma256stepsPlus		Multi-config
CAM_SONY_Gamma256stepsMinus		
CAM_SONY_AFSensitivity		Multi-config
CAM_SONY_DefogMode		Multi-config
CAM_SONY_ColorGain		Multi-config
CAM_SONY_ColorHue		Multi-config
CAM_SONY_HighSensitivity		Multi-config
CAM_SONY_MinimumShutterMode		Multi-config
CAM_SONY_MinimumShutterLimit		Multi-config
CAM_SONY_HighlightCorrectionMode		Multi-config
CAM_SONY_HighlightCorrectionMaskLevel		Multi-config
CAM_SONY_ExposureCompensationMode		Multi-config
CAM_SONY_ExposureCompensationLevel		Multi-config
CAM_SONY_2DNR		Multi-config
CAM_SONY_3DNR		Multi-config
CAM_SONY_ChromaSuppress		Multi-config
CAM_SONY_WDRDisplayBrightness		Multi-config
CAM_SONY_WDRBrightnessCompSel		Multi-config
CAM_SONY_WDRCompLevel		Multi-config
CAM_SONY_FocusOffset		Multi-config
CAM_SONY_ZoomLimit		Multi-config
CAM_HITACHI_WBMode		Multi-config
CAM_HITACHI_RGain		Multi-config
CAM_HITACHI_BGain		Multi-config
CAM_HITACHI_AEMode		Multi-config
CAM_HITACHI_DSSLimit		Multi-config
CAM_HITACHI_ICR		Multi-config
CAM_HITACHI_FLIP		Multi-config

CAM_HITACHI_WDR		Multi-config
CAM_HITACHI_BLCMode		Multi-config
CAM_HITACHI_BLC_LEVEL		Multi-config
CAM_HITACHI_Exposure		Multi-config
CAM_HITACHI_Shutter		Multi-config
CAM_HITACHI_AGC		Multi-config
CAM_HITACHI_AFType		Multi-config
CAM_HITACHI_MinFocusLength		Multi-config
CAM_HITACHI_FNRMode		Multi-config
CAM_HITACHI_FNRValue		Multi-config
CAM_HITACHI_FNRLevel		Multi-config
CAM_HITACHI_YKnee		Multi-config
CAM_HITACHI_AFOnePushMode		Multi-config
CAM_HITACHI_ICRColor		Multi-config
CAM_HITACHI_IRCurve		Multi-config
CAM_HITACHI_ICRThres		Multi-config
CAM_HITACHI_WDRAuto		Multi-config
CAM_HITACHI_WDRAutoMode		Multi-config
CAM_HITACHI_RatioLevel		Multi-config
CAM_HITACHI_HiSpeedShutterSpeed		Multi-config
CAM_HITACHI_IrisLevelOffsetData		Multi-config
CAM_HITACHI_DZ		Multi-config
CAM_HITACHI_EIS_EN		Multi-config
CAM_HITACHI_EIS_FREQ		Multi-config
CAM_HITACHI_DFOG_MODE		Multi-config
CAM_HITACHI_DFOG_LEVEL		Multi-config
CAM_HITACHI_EnhancedIntensityMode		Multi-config
CAM_HITACHI_EnhancedIntensityLevel		Multi-config
CAM_HITACHI_Pedestal0		Multi-config
CAM_HITACHI_Pedestal1		
CAM_HITACHI_Pedestal2		
CAM_HITACHI_Pedestal3		
CAM_HITACHI_Pedestal4		
CAM_HITACHI_ColorLevel0		Multi-config
CAM_HITACHI_ColorLevel1		

CAM_HITACHI_ColorLevel2		
CAM_HITACHI_ColorLevel3		
CAM_HITACHI_ColorLevel4		
CAM_HITACHI_MaxAGCGain		Multi-config
CAM_HITACHI_ApertureMode		Multi-config
CAM_HITACHI_ApertureHorizontalLevel		Multi-config
CAM_HITACHI_ApertureVerticalLevel		Multi-config
CAM_HITACHI_ZoomSensUpMode		Multi-config
CAM_HITACHI_ZoomSensUpIris		Multi-config
CAM_HITACHI_ZoomSensUpAGC		Multi-config
CAM_HITACHI_AEControllrisoffset		Multi-config
CAM_HITACHI_BlacklevelControlAGC0		Multi-config
CAM_HITACHI_BlacklevelControlAGC1		
CAM_HITACHI_YgammaAGC0		Multi-config
CAM_HITACHI_YgammaAGC1		
CAM_HITACHI_YgammaAGC2		
CAM_HITACHI_YgammaAGC3		
CAM_P10_AGC		Multi-config
CAM_P10_SHUTTER		Multi-config
CAM_P10_DN		Multi-config
CAM_P10_SSNR		Multi-config
CAM_P10_IRIS		Multi-config
CAM_P10_DZ		Multi-config
CAM_P10_WBMODE		Multi-config
CAM_P10_SUP		Multi-config
CAM_P10_BLC		Multi-config
CAM_P10_DIS		Multi-config
CAM_P10_FLIP		Multi-config
CAM_P10_BLL		Multi-config
CAM_P10_HLL		Multi-config
CAM_P10_WDR_LMT		Not used
CAM_P10_WB_RED		Multi-config
CAM_P10_WB_BLUE		Multi-config
CAM_P10_BRIGHTNESS		Multi-config
CAM_P10_SENS_UP_LMT		Multi-config

CAM_P10_MAN_IRIS		Multi-config
CAM_P10_MAN_SHUTTER		Multi-config
CAM_P10_SHARPNESS		Multi-config
CAM_P10_MAN_GAIN		Multi-config
CAM_P10_WDR_LEVEL		Multi-config
CAM_P10_HLC_COLOR		Multi-config
CAM_P10_SSDR_MODE		Multi-config
CAM_P10_SSDR_LEVEL		Multi-config
CAM_P10_DNthreshold		Multi-config
CAM_P10_NDthreshold		Multi-config
CAM_P10_DefogMode		Multi-config
CAM_P10_DefogLevel		Multi-config
CAM_P10_FRZONMOVE		Multi-config
CAM_P10_ZOOMPROPORT		Multi-config
CAM_P10_AUTOFLIP		Multi-config
CAM_P10_MAXJOGSPEED		Multi-config
CAM_P10_MAXZOOMSPEED		Multi-config
CAM_P10_DISPLAYPTZACTION		Multi-config
CAM_P10_MAXPOSITIONMOVESPEED		Multi-config
CAM_NXP_FLIP_HORIZON		Multi-config
CAM_NXP_FLIP_VERTICAL		Multi-config
CAM_NXP_TDN_MODE		Multi-config
CAM_NXP_TDN_IR_CONTROL		Multi-config
CAM_NXP_TDN_DAY_TH		Multi-config
CAM_NXP_TDN_NIGHT_TH		Multi-config
CAM_NXP_IRIS_MODE		Multi-config
CAM_NXP_IRIS_VALUE		Multi-config
CAM_NXP_DSS_VALUE_NIGHT		Multi-config
CAM_NXP_DSS_VALUE_DAY		Multi-config
CAM_NXP_AE_MODE		Multi-config
CAM_NXP_AE_MAX		Multi-config
CAM_NXP_GAMMA_INDEX		Multi-config
CAM_NXP_AE_OPTION		Multi-config
CAM_NXP_AE_TARGET		Multi-config
CAM_NXP_CDS_DAY_TH		Multi-config

CAM_NXP_CDS_NIGHT_TH		Multi-config
CAM_NXP_CURRENT_Y		read only
CAM_WONWOO_WBMode		Multi-config
CAM_WONWOO_RGain		Multi-config
CAM_WONWOO_BGain		Multi-config
CAM_WONWOO_AEMode		Multi-config
CAM_WONWOO_DSSMode		Multi-config
CAM_WONWOO_DN		Multi-config
CAM_WONWOO_FLIP		Multi-config
CAM_WONWOO_DZ		Multi-config
CAM_WONWOO_WDR		Multi-config
CAM_WONWOO_WDRLevel		Multi-config
CAM_WONWOO_BLC		Multi-config
CAM_WONWOO_Brightness		Multi-config
CAM_WONWOO_Iris		Multi-config
CAM_WONWOO_Shutter		Multi-config
CAM_WONWOO_Gain		Multi-config
CAM_WONWOO_APT_LEVEL		Multi-config
CAM_WONWOO_DefogMode		Multi-config
CAM_WONWOO_DefogLevel		Multi-config
CAM_WONWOO_Fik		Multi-config
CAM_WONWOO_NR		Multi-config
CAM_WONWOO_ACE		Multi-config
CAM_WONWOO_AGC		Multi-config
CAM_WONWOO_ExpComp		Multi-config
CAM_WONWOO_ExpCompLevel		Multi-config
CAM_WONWOO_DN_Threshold		Multi-config
CAM_WONWOO_ND_Threshold		Multi-config
CAM_WONWOO_DNDELAY		Multi-config
CAM_WONWOO_MaxSSLevel		Multi-config
CAM_WONWOO_FocusNearLimit		Multi-config
CAM_WONWOO_IRDetection		Not Used.
CAM_WONWOO_IRDetectionLevel		Not Used.
CAM_WONWOO_ImageRangeMode		Multi-config
CAM_WONWOO_ImageRangeCustomLevel		Multi-config

CAM_WONWOO_AGCGain		Multi-config
CAM_WONWOO_DISMode		Multi-config
CAM_WONWOO_DISRange		Multi-config
CAM_WONWOO_DISFilter		Multi-config
CAM_WONWOO_DISAutoCenter		Multi-config
CAM_WONWOO_HLCMode		Multi-config
CAM_WONWOO_HLCLevel		Multi-config
CAM_WONWOO_HLCClipColor		Multi-config
CAM_NEXT_Lens_Mode		Multi-config
CAM_NEXT_DC_Lens_Mode		Multi-config
CAM_NEXT_Shutter		Multi-config
CAM_NEXT_AGC		Multi-config
CAM_NEXT_SensUp_Mode		Multi-config
CAM_NEXT_SensUp_Limit		Multi-config
CAM_NEXT_Brightness		Multi-config
CAM_NEXT_Defog_Mode		Multi-config
CAM_NEXT_Defog_Gradation		Multi-config
CAM_NEXT_BackLight_Mode		Multi-config
CAM_NEXT_WDR_Gain		Multi-config
CAM_NEXT_WDR_Priority		Multi-config
CAM_NEXT_BLC_Gain		Multi-config
CAM_NEXT_HSBLC_Mode		Multi-config
CAM_NEXT_HSBLC_Level		Multi-config
CAM_NEXT_HSBLC_Black_Mask		Multi-config
CAM_NEXT_WB_Mode		Multi-config
CAM_NEXT_WB_RGain		Multi-config
CAM_NEXT_WB_BGain		Multi-config
CAM_NEXT_DN_Mode		Multi-config
CAM_NEXT_DN_Delay		Multi-config
CAM_NEXT_AGC_DN		Multi-config
CAM_NEXT_AGC_ND		Multi-config
CAM_NEXT_CDS_DN		Multi-config
CAM_NEXT_CDS_ND		Multi-config
CAM_NEXT_2DNR_Mode		Multi-config
CAM_NEXT_3DNR_Mode		Multi-config

CAM_NEXT_3DNR_Level		Multi-config
CAM_NEXT_SmartNR_Mode		Multi-config
CAM_NEXT_SmartNR_Sensitivity		Multi-config
CAM_NEXT_Mirror_Mode		Multi-config
CAM_NEXT_Dis_Mode		Multi-config
CAM_NEXT_StaticDPC_Mode		Multi-config
CAM_NEXT_LiveDPS_Mode		Multi-config
CAM_NEXT_Sharpness		Multi-config
CAM_NEXT_LSC_Mode		Multi-config
CAM_NEXT_DC_Iris_Max		Multi-config
CAM_NEXT_PIRisMode		Multi-config
CAM_NEXT_PIRisPosition		Multi-config
CAM_NEXT_PIRisLimit		Multi-config
CAM_NEXT_AFAccumMode		Multi-config
CAM_NEXT_AFMode		Multi-config
CAM_NEXT_SmartIREnable		Multi-config
CAM_NEXT_SmartIRLevel		Multi-config
CAM_NEXT_SmartIRPWMLLevel		Multi-config
CAM_NEXT_Gamma		Multi-config
CAM_NEXT_GainMG		Multi-config
CAM_NEXT_GainR		
CAM_NEXT_GainYE		
CAM_NEXT_GainG		
CAM_NEXT_GainCY		
CAM_NEXT_GainB		
CAM_NEXT_GainY		
CAM_SONYIS_Lens_Mode		Multi-config
CAM_SONYIS_DC_Lens_Mode		Multi-config
CAM_SONYIS_OpenVoltage		Multi-config
CAM_SONYIS_CloseVoltage		
CAM_SONYIS_Shutter		Multi-config
CAM_SONYIS_AGC_Limit		Multi-config
CAM_SONYIS_SensUp_Mode		Multi-config
CAM_SONYIS_SensUp_Limit		Multi-config
CAM_SONYIS_Flickerless		Multi-config

CAM_SONYIS_AE_Hold		Multi-config
CAM_SONYIS_WDR		Multi-config
CAM_SONYIS_WB_Mode		Multi-config
CAM_SONYIS_ATW_Mode		Multi-config
CAM_SONYIS_AWB_ROffset		Multi-config
CAM_SONYIS_AWB_BOffset		
CAM_SONYIS_ColorTemperature		Multi-config
CAM_SONYIS_DN_Mode		Multi-config
CAM_SONYIS_DN_AGC_DN		Multi-config
CAM_SONYIS_DN_AGC_ND		
CAM_SONYIS_DN_CDS_DN		Multi-config
CAM_SONYIS_DN_CDS_ND		
CAM_SONYIS_DN_Delay		Multi-config
CAM_SONYIS_Mirror_Mode		Multi-config
CAM_SONYIS_Negative_Mode		Multi-config
CAM_SONYIS_Gamma		Multi-config
CAM_SONYIS_Sharpness		Multi-config
CAM_SONYIS_CbGain		Multi-config
CAM_SONYIS_CrGain		
CAM_PS_DN_Mode		Multi-config
CAM_PS_DN_Adjust_DN		Multi-config
CAM_PS_DN_Adjust_ND		
CAM_PS_DN_Time		Multi-config
CAM_PS_BLC		Multi-config
CAM_PS_FLIP		Multi-config
CAM_PS_IS_Mode		Multi-config
CAM_PS_IS_Level		Multi-config
CAM_PS_DNR_Mode		Multi-config
CAM_PS_DNR_Level		Multi-config
CAM_PS_DFG		Multi-config
CAM_PS_WB_Mode		Multi-config
CAM_PS_ATW_Smart		Multi-config
CAM_PS_WB_RED		Multi-config
CAM_PS_WB_BLUE		
CAM_PS_IRIS_Mode		Multi-config

CAM_PS_IRIS_Manual		Multi-config
CAM_PS_SHUTTER_Mode		Multi-config
CAM_PS_SENSUP		Multi-config
CAM_PS_GAIN_Color_Max		Multi-config
CAM_PS_GAIN_BW_Max		
CAM_PS_GAIN_Auto_Max		
CAM_PS_GAIN_Color		Multi-config
CAM_PS_GAIN_BW		
CAM_PS_DZ_Limit		Multi-config
CAM_PS_SD		Multi-config
CAM_PS_Vivid		Multi-config
CAM_PS_AFSensitivity		Multi-config
CAM_PS_Gamma		Multi-config
CAM_PS_ApertureMode		Multi-config
CAM_PS_ApertureVDirect		Multi-config
CAM_PS_ApertureHDirect		
CAM_PS_HighlightCompensation		Multi-config
CAM_PS_FocusArea		Multi-config
CAM_PS_ATWRed		Multi-config
CAM_PS_ATWBlue		
CAM_PS_AFNearLimit		Multi-config
CAM_PS_Pedestal		Multi-config
CAM_PS_AFLuminousResponse		Multi-config
CAM_PS_SNPriorityMode		Multi-config
CAM_PS_ChromaSuppression		Multi-config
CAM_AMBA_FLIP_HORIZONTAL		Multi-config
CAM_AMBA_FLIP_VERTICAL		
CAM_AMBA_AWB_MODE		Multi-config
CAM_AMBA_AWB_RGAIN		Multi-config
CAM_AMBA_AWB_GGAIN		
CAM_AMBA_AWB_BGAIN		
CAM_AMBA_SHARP_LEVEL		Multi-config
CAM_AMBA_WDR_MODE		Multi-config
CAM_AMBA_WDR_LEVEL		Multi-config
CAM_AMBA_TDN_MODE		Multi-config

CAM_AMBA_TDN_IR_CONTROL		Multi-config
CAM_AMBA_TDN_DAY_TH		Multi-config
CAM_AMBA_TDN_NIGHT_TH		
CAM_AMBA_DSS_VALUE_NIGHT		Multi-config
CAM_AMBA_DSS_MODE		Multi-config
CAM_AMBA_AE_TARGET		Multi-config
CAM_AMBA_CDS_DAY_TH		Multi-config
CAM_AMBA_CDS_NIGHT_TH		
CAM_AMBA_CURRENT_Y		Read Only
CAM_AMBA_BRIGHTNESS		Multi-config
CAM_AMBA_CONTRAST		
CAM_AMBA_SATURATION		
CAM_AMBA_NF_LEVEL		Multi-config
CAM_AMBA_NF_3D_MODE		Multi-config
CAM_AMBA_NF_3D_LEVEL		Multi-config
CAM_AMBA_SP_AUTOCONTRAST		Multi-config
CAM_POWERUPACTION		
CAM_SCHSUN ~ CAM_SCHSAT		
CAM_NTSC_PAL		
CAM_AFAFTERZOOM		
CAM_OneShotAFafterPTZ		
CAM_AFSensitivity		
CAM_AFArea		
CAM_AFAutoInitMode		
CAM_AFAutoInitHour		
CAM_DISPLAYZOOMMAG		
CAM_SET_IRLED_MODE		
CAM_SET_NEARLED		
CAM_SET_FARLED		
CAM_SET_SPECIALMODEOFCONFIG4		
CAM_EXTPTZDISABLE		
CAM_CODEEC_SATURATION		Multi-config
CAM_CODEEC_CONTRAST		Multi-config
CAM_CODEEC_BRIGHTNESS		Multi-config
CAM_CODEEC_NF_MODE		Multi-config

CAM_CODEEC_NFPARAM1		Multi-config
CAM_CODEEC_NFPARAM2		Multi-config
CAM_CODEEC_NFPARAM3		Multi-config
CAM_CODEEC_NFPARAM4		Multi-config
CAM_CODEEC_EDGE_MODE		Multi-config
CAM_CODEEC_EDGEPARAM1		Multi-config
CAM_CODEEC_EDGEPARAM2		Multi-config
CAM_HI_FLIP_HORIZON		Multi-config
CAM_HI_FLIP_VERTICAL		Multi-config
CAM_HI_TDN_MODE		Multi-config
CAM_HI_TDN_IR_CONTROL		Multi-config
CAM_HI_TDN_DAY_TH		Multi-config
CAM_HI_TDN_NIGHT_TH		Multi-config
CAM_HI_IRIS_MODE		Multi-config
CAM_HI_IRIS_VALUE		Multi-config
CAM_HI_DSS_MODE_NIGHT		Multi-config
CAM_HI_AE_MODE		Multi-config
CAM_HI_AE_TARGET		Multi-config
CAM_HI_GAMMA_INDEX		Multi-config
CAM_HI_CDS_DAY_TH		Multi-config
CAM_HI_CDS_NIGHT_TH		Multi-config
CAM_HI_DEFOG_MODE		Multi-config
CAM_HI_CURRENT_Y		Read Only
CAM_HI_AWB_MODE		Multi-config
CAM_HI_AWB_RGAIN		Multi-config
CAM_HI_AWB_GGAIN		Multi-config
CAM_HI_AWB_BGAIN		Multi-config
CAM_HI_TDN_FILTER		Multi-config
CAM_HI_DSS_VALUE_DAY		Multi-config
CAM_HI_DSS_VALUE_NIGHT		
CAM_HI_AE_MAX		Multi-config
CAM_HI_AE_MIN		Multi-config
CAM_HI_AGC_LIMIT		Multi-config
CAM_HI_FOCUS_LIMIT		Multi-config
CAM_HI_DZOOM_MODE		Multi-config

	CAM_HI_DIS_MODE		Multi-config
	CAM_MASKPOS0X CAM_MASKPOS1X CAM_MASKPOS2X CAM_MASKPOS3X		
	CAM_MASKPOS0Y CAM_MASKPOS1Y CAM_MASKPOS2Y CAM_MASKPOS3Y		
	CAM_MASKPOS0W CAM_MASKPOS1W CAM_MASKPOS2W CAM_MASKPOS3W		
	CAM_MASKPOS0H CAM_MASKPOS1H CAM_MASKPOS2H CAM_MASKPOS3H		
ETC	ETC_USEROSDENABLE1 ETC_USEROSDENABLE2 ETC_USEROSDENABLE3 ETC_USEROSDENABLE4		
	ETC_USEROSDSTRING1 ETC_USEROSDSTRING2 ETC_USEROSDSTRING3 ETC_USEROSDSTRING4		
	ETC_USEROSDX1 ETC_USEROSDX2 ETC_USEROSDX3 ETC_USEROSDX4		
	ETC_USEROSDY1 ETC_USEROSDY2 ETC_USEROSDY3 ETC_USEROSDY4		
	ETC_USEROSDFONTSIZE1 ETC_USEROSDFONTSIZE2 ETC_USEROSDFONTSIZE3		

ETC_USEROSDFONTSIZE4		
ETC_USEROSDCOLOR1		
ETC_USEROSDCOLOR2		
ETC_USEROSDCOLOR3		
ETC_USEROSDCOLOR4		
ETC_EVENTOSDDISPLAYNAME0		
ETC_EVENTOSDDISPLAYNAME1		
ETC_EVENTOSDDISPLAYNAME2		
ETC_EVENTOSDDISPLAYNAME3		
ETC_EVENTOSDSTRING0		
ETC_EVENTOSDSTRING1		
ETC_EVENTOSDSTRING2		
ETC_EVENTOSDSTRING3		
ETC_EVENTOSDX0		
ETC_EVENTOSDX1		
ETC_EVENTOSDX2		
ETC_EVENTOSDX3		
ETC_EVENTOSDY0		
ETC_EVENTOSDY1		
ETC_EVENTOSDY2		
ETC_EVENTOSDY3		
ETC_EVENTOSDFONTSIZE0		
ETC_EVENTOSDFONTSIZE1		
ETC_EVENTOSDFONTSIZE2		
ETC_EVENTOSDFONTSIZE3		
ETC_EVENTOSDCOLOR0		
ETC_EVENTOSDCOLOR1		
ETC_EVENTOSDCOLOR2		
ETC_EVENTOSDCOLOR3		
ETC_EVENTOSDEFFECT0		
ETC_EVENTOSDEFFECT1		
ETC_EVENTOSDEFFECT2		
ETC_EVENTOSDEFFECT3		
ETC_EVENTHTTTPENABLE0		
ETC_EVENTHTTTPENABLE1		
ETC_EVENTHTTTPENABLE2		

ETC_EVENTHTTPENABLE3		
ETC_EVENTHTTPSTRING0		
ETC_EVENTHTTPSTRING1		
ETC_EVENTHTTPSTRING2		
ETC_EVENTHTTPSTRING3		
ETC_AUTOPARKINGSCHESUN		
ETC_AUTOPARKINGSCHEMON		
ETC_AUTOPARKINGSCHETUE		
ETC_AUTOPARKINGSCHEWED		
ETC_AUTOPARKINGSCHETHU		
ETC_AUTOPARKINGSCHEFRI		
ETC_AUTOPARKINGSCHESAT		
ETC_MOTIONSCHESUN		
ETC_MOTIONSCHEMON		
ETC_MOTIONSCHETUE		
ETC_MOTIONSCHEWED		
ETC_MOTIONSCHETHU		
ETC_MOTIONSCHEFRI		
ETC_MOTIONSCHESAT		
ETC_AutoPursuit_Sensitivity		
ETC_AutoPursuit_Height		
ETC_AutoPursuit_Zoom		
ETC_AutoPursuit_Size		
ETC_AutoPursuit_ResetTime		
ETC_AutoPursuit_ResetPosition		
ETC_AutoPursuit_Display		
ETC_AutoPursuit_Enable		
ETC_AutoPursuit_Zoomlimit		
ETC_MPEGTS_DestinationIP_Ch0		
ETC_MPEGTS_DestinationIP_Ch1		
ETC_MPEGTS_DestinationIP_Ch2		
ETC_MPEGTS_DestinationIP_Ch3		
ETC_MPEGTS_DestinationPORT_Ch0		
ETC_MPEGTS_DestinationPORT_Ch1		
ETC_MPEGTS_DestinationPORT_Ch2		
ETC_MPEGTS_DestinationPORT_Ch3		

ETC_MPEGTS_ENABLE_Ch0 ETC_MPEGTS_ENABLE_Ch1 ETC_MPEGTS_ENABLE_Ch2 ETC_MPEGTS_ENABLE_Ch3		
ETC_SWLISTENABLE0 ~ ETC_SWLISTENABLE3		
ETC_SWLIST00 ~ ETC_SWLIST99		
ETC_SWNAME00 ~ ETC_SWNAME99		
ETC_SWREMOType00 ~ ETC_SWREMOType99		
ETC_SWTIMER00 ~ ETC_SWTIMER99		
ETC_SWENABLE00 ~ ETC_SWENABLE99		
ETC_SWPROTOCOL00 ~ ETC_SWPROTOCOL99		
ETC_SWPORT00 ~ ETC_SWPORT99		
ETC_SWCHAN00 ~ ETC_SWCHAN99		
ETC_SWUCESS00 ~ ETC_SWUCESS99		
ETC_SWSSIP00 ~ ETC_SWSSIP99		
ETC_SWSSPORT00 ~ ETC_SWSSPORT99		
ETC_SWUSER00 ~ ETC_SWUSER99		
ETC_SWPASS00 ~ ETC_SWPASS99		
ETC_SWRESOL00 ~ ETC_SWRESOL99		
ETC_PVOSD1LEFT~ ETC_PVOSD4LEFT		
ETC_PVOSD1RIGHT~ ETC_PVOSD4RIGHT		
ETC_PVOSD1INENABLE~ ETC_PVOSD4INENABLE		

ETC_PVOSD1INSTRING~ ETC_PVOSD4INSTRING		
ETC_PVOSD1INX~ ETC_PVOSD4INX		
ETC_PVOSD1INY~ ETC_PVOSD4INX		
ETC_PVOSD1INFONTSIZE~ ETC_PVOSD4INFONTSIZE		
ETC_PVOSD1OUTENABLE~ ETC_PVOSD4OUTENABLE		
ETC_PVOSD1OUTSTRING~ ETC_PVOSD4OUTSTRING		
ETC_PVOSD1OUTX~ ETC_PVOSD4OUTX		
ETC_PVOSD1OUTY~ ETC_PVOSD4OUTY		
ETC_PVOSD1OUTFONTSIZE~ ETC_PVOSD4OUTFONTSIZE		
ETC_PVOSD1OUTCOLOR~ ETC_PVOSD4OUTCOLOR		
ETC_IPV6ADDRESS		
ETC_IPV6SUBNETPREFIXLENGTH		
ETC_IPV6DEFAULTGATEWAY		
ETC_WiperMode		
ETC_WiperOperationDay		
ETC_WiperOperationTime0 ETC_WiperOperationTime1 ETC_WiperOperationTime2 ETC_WiperOperationTime3		
ETC_WiperStartHour0 ETC_WiperStartHour1 ETC_WiperStartHour2 ETC_WiperStartHour3		
ETC_WiperStartMin0 ETC_WiperStartMin1 ETC_WiperStartMin2		

	ETC_WiperStartMin3		
	ETC_SRTMODE0		
	ETC_SRTMODE1		
	ETC_SRTMODE2		
	ETC_SRTMODE3		
	ETC_SRTADDRESS0		
	ETC_SRTADDRESS1		
	ETC_SRTADDRESS2		
	ETC_SRTADDRESS3		
	ETC_SRTPORT0		
	ETC_SRTPORT1		
	ETC_SRTPORT2		
	ETC_SRTPORT3		
	ETC_SRTSECURE0		
	ETC_SRTSECURE1		
	ETC_SRTSECURE2		
	ETC_SRTSECURE3		
	ETC_SRTPASSPHRASE0		
	ETC_SRTPASSPHRASE1		
	ETC_SRTPASSPHRASE2		
	ETC_SRTPASSPHRASE3		
VA	VA_General_sensitive		IVS License
	VA_General_indoor		IVS License
	VA_General_color_check_enable		IVS License
	VA_General_tracker_type		IVS License
	VA_General_object_enable		IVS License
	VA_General_min_object_width		IVS License
	VA_General_min_object_height		IVS License
	VA_General_max_object_width		IVS License
	VA_General_max_object_height		IVS License
	VA_General_people_enable		IVS License
	VA_General_min_people_width		IVS License
	VA_General_min_people_height		IVS License
	VA_General_max_people_width		IVS License
	VA_General_max_people_height		IVS License

	VA_General_vehicle_enable		IVS License
	VA_General_min_vehicle_width		IVS License
	VA_General_min_vehicle_height		IVS License
	VA_General_max_vehicle_width		IVS License
	VA_General_max_vehicle_height		IVS License
	VA_General_other_enable		IVS License
	VA_ObjectDraw_enable_draw		Not used
	VA_ObjectDraw_enable_stream		Not used
	VA_IgnoreArea_enable		Not used
	VA_LineCounting_enable		IVS License
	VA_LineCounting_start_x		IVS License
	VA_LineCounting_start_y		IVS License
	VA_LineCounting_end_x		IVS License
	VA_LineCounting_end_y		IVS License
	VA_LineCounting_camera_height		IVS License
	VA_Tampering_enable		IVS License
	VA_Itrusion_enable		IVS License
	VA_Itrusion_object_size		IVS License
	VA_Itrusion_Area		IVS License
VOUT	VOUT_DECODEDELAY_0 VOUT_DECODEDELAY_1 VOUT_DECODEDELAY_2 VOUT_DECODEDELAY_3		Quad-view
	VOUT_AUDIOSYNC_0 VOUT_AUDIOSYNC_1 VOUT_AUDIOSYNC_2 VOUT_AUDIOSYNC_3		Quad-view
	VOUT_CROPENABLE_0 VOUT_CROPENABLE_1 VOUT_CROPENABLE_2 VOUT_CROPENABLE_3		Quad-view
	VOUT_DISPLAY_HDMI		Quad-view
	VOUT_ROT_DELAY_HDMI		Quad-view
	VOUT_DISPLAY_SDI		Quad-view
	VOUT_ROT_DELAY_SDI		Quad-view

	VOUT_DISPLAY_CVBS		Quad-view
	VOUT_ROT_CVBS		Quad-view
RMT	RMT_REMOTETYPE_0 RMT_REMOTETYPE_1 RMT_REMOTETYPE_2 RMT_REMOTETYPE_3		Quad-view
	RMT_PROTOCOL_0 RMT_PROTOCOL_1 RMT_PROTOCOL_2 RMT_PROTOCOL_3		Quad-view
	RMT_DOMAINNAME_0 RMT_DOMAINNAME_1 RMT_DOMAINNAME_2 RMT_DOMAINNAME_3		Quad-view
	RMT_REMOTEPOR_0 RMT_REMOTEPOR_1 RMT_REMOTEPOR_2 RMT_REMOTEPOR_3		Quad-view
	RMT_REMOTECAN_0 RMT_REMOTECAN_1 RMT_REMOTECAN_2 RMT_REMOTECAN_3		Quad-view
	RMT_USESS_0 RMT_USESS_1 RMT_USESS_2 RMT_USESS_3		Quad-view
	RMT_SSIP_0 RMT_SSIP_1 RMT_SSIP_2 RMT_SSIP_3		Quad-view
	RMT_SSPORT_0 RMT_SSPORT_1 RMT_SSPORT_2 RMT_SSPORT_3		Quad-view
	RMT_SSUSER_0 RMT_SSUSER_1		Quad-view

	RMT_SSUSER_2 RMT_SSUSER_3		
	RMT_SSPASS_0 RMT_SSPASS_1 RMT_SSPASS_2 RMT_SSPASS_3		Quad-view
	RMT_RTPRECVRES_0 RMT_RTPRECVRES_1 RMT_RTPRECVRES_2 RMT_RTPRECVRES_3		Quad-view
	RMT_ONVIF_PROF_CURR_0 RMT_ONVIF_PROF_CURR_1 RMT_ONVIF_PROF_CURR_2 RMT_ONVIF_PROF_CURR_3		Quad-view
	RMT_SWDISABLE_0 RMT_SWDISABLE_1 RMT_SWDISABLE_2 RMT_SWDISABLE_3		Quad-view
	RMT_WEBDISPLAY		Quad-view
	RMT_RECORDING		Quad-view

Note 1: All items without 'Read-only' or 'Write-only' characteristics are to be regarded as 'Read & Write'.

Note 2: It is not allowed to set items in different groups together in one SetServerConfig() call. For example, video configuration and network configuration can't be set together.

Note 3: In the case of multi channel video server such as ANT-3400, the parameters of video group are extensible for multiple channels using most significant nibble. For example the VID_PREFERENCE of channel#1 is 0x0201, channel#2 is 0x1201, channel#3 is 0x2201 and channel#4 is 0x3201.

Note 4: These parameters can be extended for multi channel video server in the same way as for the parameters in the video group.

Note 5: Parameters in Camera page vary for different camera models. It is necessary to check if corresponding setting parameter is available in the Camera page of the model before a configuration parameter is used.

Note 6: Parameters in Camera page can be read or written only with HTTPAPI. TVS SDK doesn't support it yet.

Note 7: When parameters in a multi-config set are configured, it is necessary to specify the config set using **configset=?**. When it is omitted, config set #1 is assumed.

2.2 System Configuration

SYS_MODE

System mode

Type unsigned char

Values

0	Encoder mode
1	Decoder mode
2	Duplex mode (if supported)

Comment

Read/write at Video Server type, read-only at IP camera type(always 0).

Side Effect

System reboot

String for HTTP API

Read/Write : SYS_MODE=0

SYS STANDARD

Video standard

Type unsigned char

Values

0	PAL
1	NTSC

Comment

Side Effect

System reboot

SYS SYSTEMID

System ID

Type 16bytes array

Values

Null terminated String, Max 15 characters

Comment

Side Effect

SYS VERSION

Firmware version

Type 16bytes array

Values

Null terminated String, max 15 characters

Comment

Read-only

Side Effect

SYS STARTTIME

System booting time

Type JY_Time_Type (8bytes)

```
typedef struct {
    BYTE  oSec;          // 0 ~ 59
    BYTE  oMin;          // 0 ~ 59
    BYTE  oHour;         // 0 ~ 23
    BYTE  oWeek;         // 0 ~ 6, 0 = sun
    BYTE  oDay;          // 1 ~ 31
}
```

```

    BYTE   oMon;           // 0 ~ 11, 0 = Jan
    BYTE   oYear;          // 0 ~ 99, (8 if 2008
    BYTE   oCentury;      // 0 ~ 99, (20, if 2008
} JY_Time_Type, * pJY_Time_Type;
  
```

Values**Comment**

Read-only

Side Effect**String for HTTP API**

Read : SYS_STARTTIME=2008/04/08 16:14:30

SYS_CURRENTTIME

Current time

Type JY_Time_Type (8bytes), See SYS_STARTTIME**Values****Comment****Side Effect****String for HTTP API**

Write : SYS_CURRENTTIME=2008/04/08%2016:14:30

Read : SYS_CURRENTTIME=2008/04/08 16:14:30

SYS_REBOOT

Reboot the system

Type No parameter**Values****Comment**

Write-only

Do not use with other configuration values in a command.

Side Effect

System reboot

SYS_ISIPCAM

Distinguish TCAM series from Video Server type.

Type unsigned char**Values**

0 Video Server type

1 TCAM series(IP camera type)

Comment

Read-only

Side Effect**SYS TIMEZONE**

Time zone.

Type unsigned char

Values

see Time Zone definition in Appendix A

Comment**Side Effect**

Time change

SYS DLSENABLE

Use Day Light Saving time

Type unsigned char

Values

0 Disable

1 Enable

Comment

Operation is dependent on the time zone

Side Effect

Time change

SYS NTPENABLE

Use of NTP server

Type unsigned char

Values

0 Disable

1 Enable

Comment**Side Effect**

Time change if needed.

SYS NTPDOMAIN

NTP server address

Type 64bytes array**Values***Null terminated String, Max 63 characters***Comment****Side Effect**

Time change if needed.

SYS LOGINSKIPENABLE

Set if 'Skip Login' is to be enabled

Type unsigned char**Values**

0 Disable

1 Enable

Comment**Side Effect****SYS LOGINSKIPRIORITY**

Privilege level of a user who logged on with 'Skip Login'

Type unsigned char**Values**

0 Admin

1 Manager

2 User

3 Guest

Comment

Valid when Login Skip is enabled.

Side Effect**SYS LANGUAGE**

Set the language for web pages of the server

Type unsigned char**Values**

0 English

1 Japanese

2	Korean
3	Hebrew
4	Russian
5	Spanish
6	Portuguese
7	Chinese
8	German
9	Arabic
10	Finnish
11	<i>Italian</i>
12	<i>Polish</i>
13	<i>French</i>
14	<i>Czech</i>
15	<i>traditional Chinese</i>
16	<i>Turkish</i>
17	<i>Dutch</i>

Comment

Side Effect

SYS RESET

Reset all parameters to factory defaults except SYS_STANDARD

Type No parameter

Values

Comment

Write-only

Do not use with other configuration values in a command.

Side Effect

System reboot

SYS RESET V2

Reset all parameters to factory defaults except categories pointed by parameter

Type unsigned long

Values

1 (0x00000001)	network configuration
2 (0x00000002)	preset information
4 (0x00000004)	user information

Multiple categories can be specified using bitwise OR-ing.

Comment

Write-only

Do not use with other configuration values in a command.

Side Effect

System reboot

SYS_MODELNAME

Model name

Type 16bytes array

Values

Null terminated String, max 15 characters

Comment

Read-only

Side Effect**SYS_BOARDID**

Board ID

Type unsigned char

Values**Comment**

Read-only

Side Effect**SYS_NUMOFVIDEO**

Number of video channels.

Type unsigned char

Values**Comment**

Read-only

Side Effect**SYS_NUMOFAUDIO**

Number of audio channels.

Type unsigned char

Values

Comment

Read-only

Side Effect

SYS_NUMOFSENSOR

Number of sensor input.

Type unsigned char

Values

Comment

Read-only

Side Effect

SYS_NUMOFALARM

Number of alarm output.

Type unsigned char

Values

Comment

Read-only

Side Effect

SYS_TIMEFORMAT

Time display format.

Type unsigned char

Values

0 YYYY/MM/DD hh:mm:ss

1 DD/MM/YYYY hh:mm:ss

2 MM/DD/YYYY hh:mm:ss

Comment

Side Effect

SYS_CURRENT_TEMP

Read Current temperature.

Type unsigned char

Values

Comment

Read Only

Zoom Box Model

SYS_CURRENT_TEMP=not support

SYS_CURRENT_TEMP=51

Side Effect

String for HTTP API

SYS_CURRENT_TEMP=0

SYS_INTRA_Q

Set Min QP of I frame.

Type unsigned char

Values

10 ~ 35 Small value: larger I frame

Comment

SYS_OPENSSLVERSION

OpenSSL version.

Type 32bytes array

Values

Null terminated String, max 32 characters

Comment

Read-only

SYS_LOGEXCLUDEITEM

Set exclude log item.

Type unsigned short

Values

0	Include Everything
1	Exclude User Log
2	Exclude Backup Log
4	Exclude Account Log
8	Exclude Environment Log
16	Exclude System Log
32	Exclude ETC Log
64	Exclude PTZ Log
128	Exclude Connection Log

Multiple actions can be specified using bitwise OR-ing.

Comment

Default: 0

2.3 Video Configuration

VID PREFERENCE

Preference in video encoding and transmission

Type unsigned char

Values

0	Quality mode (VBR)
1	Bitrate mode (CBR)
2	Hybrid mode

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Quality mode: VID_QUALITY is used and VID_BANDWIDTH is not used.

Bitrate mode: reverse

Side Effect

VID RESOLUTION

Video encoding resolution

Type unsigned char

Values

0	720x480 (PAL, 720x576)
1	720x240 (PAL, 720x288)
2	352x480 (PAL, 352x576)
3	352x240 (PAL, 352x288)
4	720x576
5	720x288
6	352x576
7	352x288
8	640x480
9	800x600
10	1024x768
11	1280x960

12	1280x1024
13	1440x900
14	1600x900
15	1680x1050
16	1280x720
17	1920x1080
18	176x120
19	176x144
20	320x288 //Not supported
21	360x288 //Not supported
22	320x240 //Not supported
23	2048x1536
24	2560x1600
25	2592x1936
26	1920x1056
27	640x360
28	1440x540

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID FRAMERATE

Video encoding frame rate

Type unsigned char

Values

0~14 30(PAL, 25) ~ 0.2 fps, See TN_FRAMERATE.

Comment

Valid only when SYS_MODE is Encoder Duplex.

Side Effect

Reference

TN_FRAMERATE

Item	Value	Description
TN_FPS_30_25	0	NTSC: 30fps, PAL: 25fps
TN_FPS_25_20	1	NTSC: 25fps, PAL: 20fps
TN_FPS_20_16	2	NTSC: 20fps, PAL: 16fps
TN_FPS_15_12	3	NTSC: 15fps, PAL: 12fps

TN_FPS_10	4	10fps
TN_FPS_8	5	8fps
TN_FPS_6	6	6fps
TN_FPS_5	7	5fps
TN_FPS_4,	8	4fps
TN_FPS_3	9	3fps
TN_FPS_2	10	2fps
TN_FPS_1	11	1fps
TN_FPS_06	12	0.6fps
TN_FPS_04	13	0.4fps
TN_FPS_02	14	0.2fps

The following values also can be used for setting a framerate in wider range.

Framerate parameter = 100 + Framerate to be configured

For example:

1fps = 101

2fps = 102

...

30fps = 130

50fps = 150

60fps = 160

VID_QUALITY

Video encoding quality

Type unsigned char

Values

0~7 The smaller, the better quality

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Valid only when VID_PREFERENCE is set to Quality.

Side Effect

VID_BANDWIDTH

Video encoding bandwidth

Type unsigned short

Values

0 ~10240 Encoder mode. Max bandwidths vary depending on the models.

0 ~2000 Duplex mode (ANT-3300 only)

Comment

Valid only when SYS_MODE is Encoder Duplex.

Valid only when VID_PREFERENCE is set to Bitrate.

Side Effect**VID_IINTERVAL**

I-frame interval in video encoding

Type unsigned char

Values

0~255

Comment

Valid only when SYS_MODE is Encoder Duplex.

If 0, I frames are not generated.

Side Effect**VID_MDTHRESHOLD**

Motion detection sensitivity

Type unsigned char

Values

0 ~10 The smaller, the more sensitive

Comment

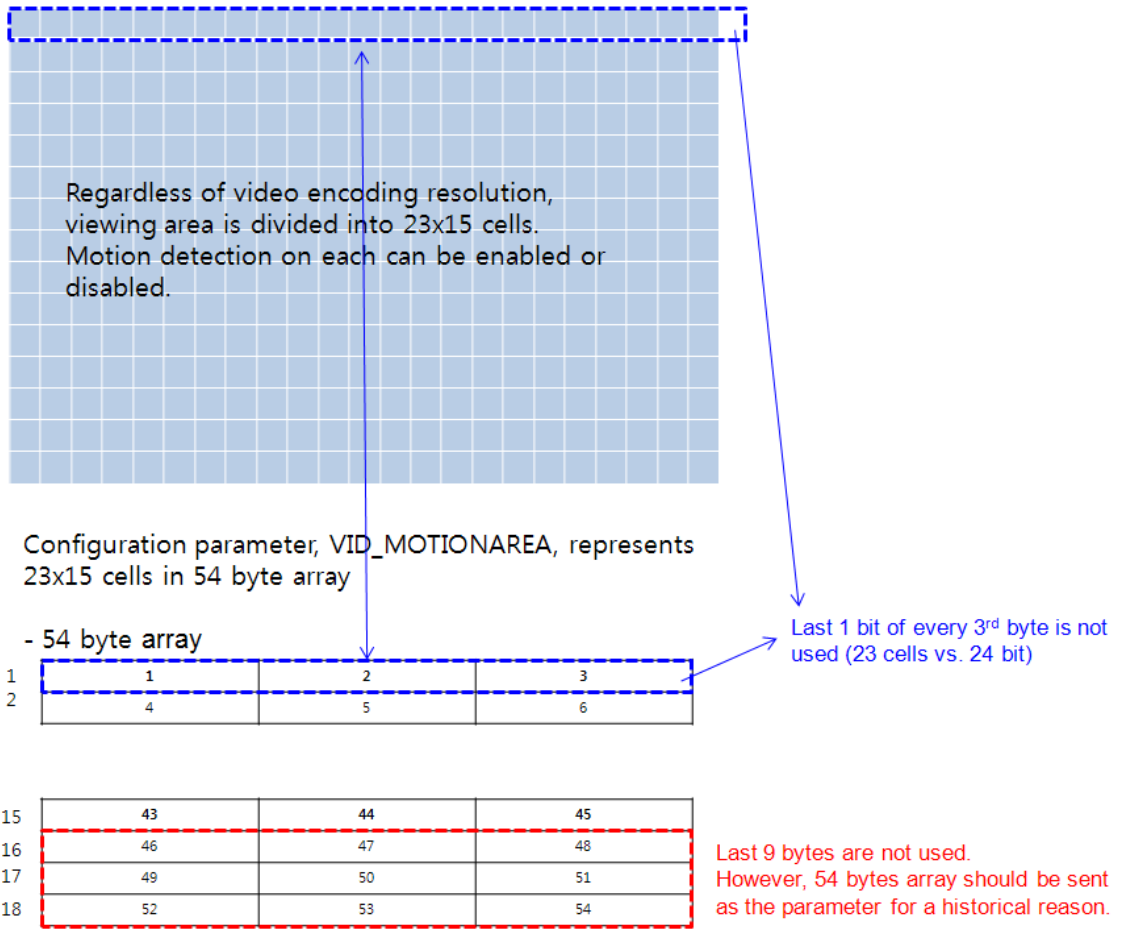
Valid only when SYS_MODE is Encoder or Duplex.

Side Effect**VID_MOTIONAREA**

Motion detection area

Type Array of 54 unsigned char

Values



Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID MOTIONREGION

Motion detection area

Type Array of 32 unsigned char

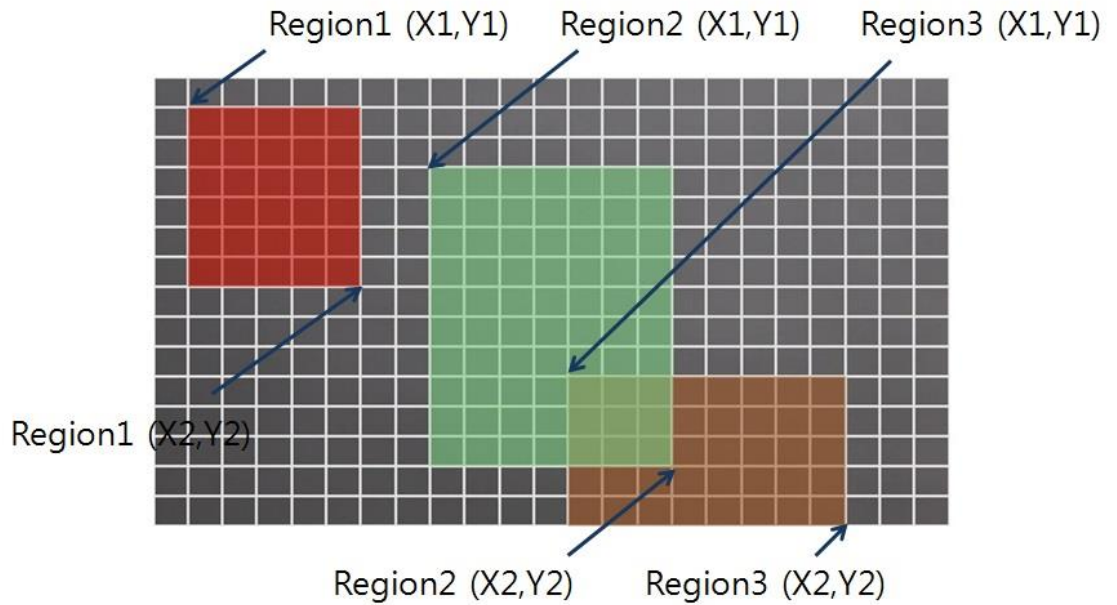
Values

32byte array

{Region1 X1, Region1 Y1, Region1 X2, Region1 Y2, Region2 X1, Region2 Y1, Region2 X2, Region2 Y2, Region8 X1, Region8 Y1, Region8 X2, Region8 Y2}

All X1 and X2 can be 0 ~ 23 (X2 > X1), all, Y1 and Y2 can be 0 ~ 15 (Y2 > Y1).

If all X1, Y1, X2 and Y2 are 0, that region will not be used.



Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID_BRIGHTNESS

VID_CONTRAST

VID_HUE

VID_SATURATION

Video input color property

Type unsigned char

Values

0 ~ 100

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID_BURNINID

Display system ID in Burn-in OSD

Type unsigned char

Values

- 0 Disable
- 1 Enable

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect**VID_BURNINTIME**

Display current time in Burn-in OSD

Type unsigned char

Values

0 Disable

1 Enable

Comment

Valid only when SYS_MODE is Encoder Duplex.

When video resolution is 352x240 or 352x480 and both ID and TIME are enabled, only ID is displayed due to lack of space for display.

Side Effect**VID_BURNINPOSITION**

Position of Burn-in OSD

Type unsigned char

Values

0 Bottom

1 Top

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect**VID_MOTIONENABLE**

Enable or disable motion detection

Type unsigned char

Values

0 Disable

1 Enable

Comment**Side Effect**

VID_INFODISPID

Display system ID in OSD of web viewer

Type unsigned char

Values

0 Disable

1 Enable

Comment

Side Effect

VID_INFODISPTIME

Display current time in OSD of web viewer

Type unsigned char

Values

0 Disable

1 Enable

Comment

Side Effect

VID_INFODISPOSITION

Position of web viewer OSD

Type unsigned char

Values

0 Bottom

1 Top

Comment

Side Effect

VID_USEDUAL

Use dual encoding

Type unsigned char

Values

0 off

1 on

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID_DUALALGORITHM

Encoding algorithm of secondary channel

Type unsigned char

Values

0	H.264
1	MJPEG

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID_DUALPREFERENCE

Preference in video encoding and transmission of secondary channel

Type unsigned char

Values

0	Quality mode (VBR)
1	Bitrate mode (CBR)
2	Hybrid mode

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Quality mode: VID_DUALQUALITY is used and VID_BUALBANDWIDTH is not used.

Bitrate mode: reverse

Side Effect

VID_DUALRESOLUTION

Video encoding resolution of secondary channel

Type unsigned char

Values

0	720x480 (PAL, 720x576)
1	720x240 (PAL, 720x288)
2	352x480 (PAL, 352x576)
3	352x240 (PAL, 352x288)
4	720x576
5	720x288
6	352x576

7	352x288
8	640x480
9	800x600
10	1024x768
11	1280x960
12	1280x1024
13	1440x900
14	1600x900
15	1680x1050
16	1280x720
17	1920x1080

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID_DUALFRAMERATE

Video encoding frame rate of secondary channel

Type unsigned char

Values

0~14 30(PAL, 25) ~ 0.2 fps, See TN_FRAMERATE.

Comment

Valid only when SYS_MODE is Encoder Duplex.

Side Effect

Reference

TN_FRAMERATE

Item	Value	Description
TN_FPS_30_25	0	NTSC: 30fps, PAL: 25fps
TN_FPS_25_20	1	NTSC: 25fps, PAL: 20fps
TN_FPS_20_16	2	NTSC: 20fps, PAL: 16fps
TN_FPS_15_12	3	NTSC: 15fps, PAL: 12fps
TN_FPS_10	4	10fps
TN_FPS_8	5	8fps
TN_FPS_6	6	6fps
TN_FPS_5	7	5fps
TN_FPS_4,	8	4fps
TN_FPS_3	9	3fps

TN_FPS_2	10	2fps
TN_FPS_1	11	1fps
TN_FPS_06	12	0.6fps
TN_FPS_04	13	0.4fps
TN_FPS_02	14	0.2fps

VID_DUALQUALITY

Video encoding quality of secondary channel

Type unsigned char

Values

0~7 The smaller, the better quality

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Valid only when VID_DUALPREFERENCE is set to Quality.

Side Effect

VID_DUALBANDWIDTH

Video encoding bandwidth of secondary channel

Type unsigned short

Values

0 ~4000 Encoder mode

0 ~2000 Duplex mode

Comment

Valid only when SYS_MODE is Encoder Duplex.

Valid only when VID_DUALPREFERENCE is set to Bitrate.

Side Effect

VID_DUALINTERVAL

I-frame interval in video encoding of secondary channel

Type unsigned char

Values

0~255

Comment

Valid only when SYS_MODE is Encoder Duplex.

If 0, I frames are not generated.

Side Effect

VID USETRIPLE1

VID USETRIPLE2

Use triple and quaduple encoding

Type unsigned char

Values

0	off
1	on

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID TRIPLEALGORITHM1

VID TRIPLEALGORITHM2

Encoding algorithm of secondary channel #2 and #3

Type unsigned char

Values

0	H.264
1	MJPEG

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID TRIPLEPREFERENCE1

VID TRIPLEPREFERENCE2

Preference in video encoding and transmission of secondary channel #2 and #3

Type unsigned char

Values

0	Quality mode (VBR)
1	Bitrate mode (CBR)
2	Hybrid mode

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Quality mode: VID_DUALQUALITY is used and VID_BUALBANDWIDTH is not used.

Bitrate mode: reverse

Side Effect

VID TRIPLERESOLUTION1

VID TRIPLERESOLUTION2

Video encoding resolution of secondary channel #2 and #3

Type	unsigned char
Values	
0	720x480 (PAL, 720x576)
1	720x240 (PAL, 720x288)
2	352x480 (PAL, 352x576)
3	352x240 (PAL, 352x288)
4	720x576
5	720x288
6	352x576
7	352x288
8	640x480
9	800x600
10	1024x768
11	1280x960
12	1280x1024
13	1440x900
14	1600x900
15	1680x1050
16	1280x720
17	1920x1080

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID TRIPLEFRAMERATE1

VID TRIPLEFRAMERATE2

Video encoding frame rate of secondary channel #2 and #3

Type	unsigned char
Values	
0~14	30(PAL, 25) ~ 0.2 fps, See TN_FRAMERATE.

Comment

Valid only when SYS_MODE is Encoder Duplex.

Side Effect

Reference

TN_FRAMERATE

Item	Value	Description
TN_FPS_30_25	0	NTSC: 30fps, PAL: 25fps
TN_FPS_25_20	1	NTSC: 25fps, PAL: 20fps
TN_FPS_20_16	2	NTSC: 20fps, PAL: 16fps
TN_FPS_15_12	3	NTSC: 15fps, PAL: 12fps
TN_FPS_10	4	10fps
TN_FPS_8	5	8fps
TN_FPS_6	6	6fps
TN_FPS_5	7	5fps
TN_FPS_4,	8	4fps
TN_FPS_3	9	3fps
TN_FPS_2	10	2fps
TN_FPS_1	11	1fps
TN_FPS_06	12	0.6fps
TN_FPS_04	13	0.4fps
TN_FPS_02	14	0.2fps

VID TRIPLEQUALITY1

VID TRIPLEQUALITY2

Video encoding quality of secondary channel #2 and #3

Type unsigned char

Values

0~7 The smaller, the better quality

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Valid only when VID_DUALPREFERENCE is set to Quality.

Side Effect

VID TRIPLEBANDWIDTH1

VID TRIPLEBANDWIDTH2

Video encoding bandwidth of secondary channel #2 and #3

Type unsigned short

Values

0 ~4000 Encoder mode
 0 ~2000 Duplex mode

Comment

Valid only when SYS_MODE is Encoder Duplex.
 Valid only when VID_DUALPREFERENCE is set to Bitrate.

Side Effect

VID TRIPLEINTERVAL1

VID TRIPLEINTERVAL2

I-frame interval in video encoding of secondary channel #2 and #3

Type unsigned char

Values

0~255

Comment

Valid only when SYS_MODE is Encoder Duplex.
 If 0, I frames are not generated.

Side Effect

VID INPUTFORMAT

Video input format

Type unsigned short

Values

0x0000 None
 0x0100 Composite PAL
 0x0101 Composite NTSC
 0x0200 HD-SDI 720p30
 0x0201 HD-SDI 960p22.5
 0x0202 HD-SDI 1080i60
 0x0203 HD-SDI 1080i50
 0x0204 HD-SDI 720p60
 0x0205 HD-SDI 720p50
 0x0206 HD-SDI 1080p30
 0x0207 SD-SDI NTSC
 0x0208 SD-SDI PAL
 0x0209 HD-SDI 1080i59.94

<i>0x0211</i>	HD-SDI 1080p25
<i>0x0260</i>	HD-SDI 1080p60
<i>0x0261</i>	HD-SDI 1080p50
<i>0x0263</i>	HD-SDI 1080p59.94
<i>0x0264</i>	HD-SDI 1080p29.97
<i>0x0265</i>	HD-SDI 1080PsF23.98
<i>0x0266</i>	HD-SDI 1080PsF24
<i>0x0300</i>	HDMI 480p30
<i>0x0301</i>	HDMI 480p60
<i>0x0302</i>	HDMI 480i60
<i>0x0303</i>	HDMI 576p50
<i>0x0304</i>	HDMI 576i50
<i>0x0305</i>	HDMI 720p25
<i>0x0306</i>	HDMI 720p30
<i>0x0307</i>	HDMI 720p60
<i>0x0308</i>	HDMI 1080p25
<i>0x0309</i>	HDMI 1080p30
<i>0x030A</i>	HDMI 1080p60
<i>0x030B</i>	HDMI 1080i60
<i>0x030C</i>	HDMI 1080i50
<i>0x030D</i>	HDMI 1080p50
<i>0x030E</i>	HDMI 720p50
<i>0x030F</i>	HDMI 1280x1024p30
<i>0x0310</i>	HDMI 1280x960p30
<i>0x0311</i>	HDMI 1024x768p30
<i>0x0312</i>	HDMI 1280x1024p60
<i>0x0313</i>	HDMI 1280x960p60
<i>0x0314</i>	HDMI 1024x768p60
<i>0x0315</i>	HDMI 1080i59.94
<i>0x0316</i>	HDMI 1440x900p60
<i>0x0317</i>	HDMI 800x600p60
<i>0x0318</i>	HDMI 1080p23.98
<i>0x0319</i>	HDMI 1920x1200p60
<i>0x031A</i>	HDMI 1920x1200p50
<i>0x031B</i>	HDMI 3840x2160p25
<i>0x031C</i>	HDMI 3840x2160p30

0x031D HDMI 4096x2160p25

0x031E HDMI 4096x2160p30

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID_OUTPUTFORMAT

Video output format

Type unsigned char

Values

0	480i60 (Composite and HDMI)
1	576i50 (Composite and HDMI)
2	720p60 (HD-SDI and HDMI)
3	1080i60 (HD-SDI and HDMI)
4	720p50 (HD-SDI and HDMI)
5	1080i50 (HD-SDI and HDMI)
6	1080p30 (HD-SDI and HDMI)
7	1080p60 (HD-SDI and HDMI)
8	1080p50 (HD-SDI and HDMI)
9	1080p25 (HD-SDI and HDMI)
10	1080i59.94 (HD-SDI and HDMI)
11	1080p24 (HD-SDI and HDMI)
12	1080PsF23.98 (HD-SDI and HDMI)
13	1080PsF24 (HD-SDI and HDMI)
14	1080p59.94 (HD-SDI and HDMI)

Comment

Side Effect

VID_BURNINSIZE

Font size of Burn-in OSD

Type unsigned char

Values

0	Small (8x8)
1	Middle (16x16)
2	Large (32x32)

Comment

Valid only when SYS_MODE is Encoder or Duplex.

Side Effect

VID_PREVIEWENABLE

HDMI or Composite out enable.

Type unsigned char

Values

0	Disable
1	Enable

Comment

If enabled, dual encoding will be ignored.

Side Effect

VID_FRAMEENCODE

Set to force frame encode at interlaced video

Type unsigned char

Values

0	Field encode mode
1	Frame encode mode

Comment

Side Effect

VID_CURENCBITRATE

VID_CURDECBITRATE

VID_DUALCURENCBITRATE

VID_DUALCURDECBITRATE

VID_TRIPLECURENCBITRATE1

VID_TRIPLECURDECBITRATE1

VID_TRIPLECURENCBITRATE2

VID_TRIPLECURDECBITRATE2

Read current encode/decode bitrate

Type unsigned long

Values

0 ~	kbps
-----	------

Comment

Read only

Side Effect

VID CURENCFPS

VID CURDECFPS

VID DUALCURENCFPS

VID DUALCURDECFPS

VID TRIPLECURENCFPS1

VID TRIPLECURDECFPS1

VID TRIPLECURENCFPS2

VID TRIPLECURDECFPS2

Read current encode/decode frame rate

Type unsigned long

Values

0 ~ frames

Comment

Read only

Side Effect

VID SCALEENABLE

Select scaling or cropping for adjusting the input video to encoding resolution of primary stream

Type unsigned char

Values

0 Disabled (Crop mode)

1 Enabled (Scale mode)

Comment

Side Effect

VID DUALSCALEENABLE

Select scaling or cropping for adjusting the input video to encoding resolution of secondary stream

Type unsigned char

Values

0 Disabled (Crop and scale down with keeping aspect ratio)

1 Enabled (Scale down without keeping aspect ratio)

Comment

Side Effect

VID TRIPLESCEALEENABLE1

VID TRIPLESCEALEENABLE2

Select scaling or cropping for adjusting the input video to encoding resolution of secondary stream #2 and #3

Type unsigned char

Values

0 Disabled (Crop and scale down with keeping aspect ratio)

1 Enabled (Scale down without keeping aspect ratio)

Comment

ANT-35000 and TN series only.

Side Effect

VID CAPRESOLUTION

VID CAPDUALRESOLUTION

VID CAPTRIPLERESOLUTION1

VID CAPTRIPLERESOLUTION2

Resolution capability - set of resolutions supported

Type unsigned long

Values

1 (0x00000001)	720x480
2 (0x00000002)	720x240
4 (0x00000004)	352x480
8 (0x00000008)	352x240
16 (0x00000010)	720x576
32 (0x00000020)	720x288
64 (0x00000040)	352x576
128 (0x00000080)	352x288
256 (0x00000100)	640x480
512 (0x00000200)	800x600
1024 (0x00000400)	1024x768
2048 (0x00000800)	1280x960
4096 (0x00001000)	1280x1024
8192 (0x00002000)	1440x900
16384 (0x00004000)	1600x900

32768 (0x00008000)	1680x1050
65536 (0x00010000)	1280x720
131072 (0x00020000)	1920x1080
262144(0x00040000)	176x120
524288(0x00080000)	176x144
1048576(0x00100000)	320x288
2097152(0x00200000)	360x288
4194304(0x00400000)	320x240
8388608(0x00800000)	2048x1536
16777216(0x01000000)	2560x1600
33554432(0x02000000)	2592x1936
67108864(0x04000000)	1920x1056
134217728(0x08000000)	640x360
268435456(0x10000000)	1440x540

Multiple resolutions can be specified using bitwise OR-ing.

Comment

Read only

Side Effect

VID CAPBANDWIDTHMAX

VID CAPBANDWIDTHMIN

VID CAPDUALBANDWIDTHMAX

VID CAPDUALBANDWIDTHMIN

VID CAPTRIPLEBANDWIDTHMAX1

VID CAPTRIPLEBANDWIDTHMIN1

VID CAPTRIPLEBANDWIDTHMAX2

VID CAPTRIPLEBANDWIDTHMIN2

Maximum or minimum bandwidth(video encoding bitrate) allowable, primary stream and secondary stream respectively

Type unsigned long

Values

0 ~ kbps

Comment

Read only

Side Effect

VID CAPFRAMERATEMAX
VID CAPFRAMERATEMIN
VID CAPDUALFRAMERATEMAX
VID CAPDUALFRAMERATEMIN
VID CAPTRIPLEFRAMERATEMAX1
VID CAPTRIPLEFRAMERATEMIN1
VID CAPTRIPLEFRAMERATEMAX2
VID CAPTRIPLEFRAMERATEMIN2

Maximum or minimum framerate(video encoding) allowable, primary stream and secondary stream respectively.

Type unsigned long

Values

0 ~14 30 ~ 0.2 fps, See TN_FRAMERATE.

Comment

Read only

Side Effect

VID INPUTCOLORFORMAT

Select input color format of HDMI input

Type unsigned char

Values

0 RGB
 1 YPbPr

Comment

ANT-33000 series only.

Side Effect

VID INPUTDEINTERLACE

Enable input deinterlace if interlaced video

Type unsigned char

Values

0 off
 1 on

Comment

Side Effect

VID H.264PROFILE

VID DUALH.264PROFILE

VID TRIPLEH.264PROFILE1

VID TRIPLEH.264PROFILE2

H.264 profile, primary stream and secondary stream respectively.

Type unsigned char

Values

0 High profile

1 Baseline profile

Comment

Side Effect

VID MDDISABLEONPTZ

Disable motion detection when PTZ.

Type unsigned char

Values

0 off

1 on (disable)

Comment

Side Effect

VID DUALROIDISABLE

VID TRIPLEROIDISABLE1

VID TRIPLEROIDISABLE2

Disable ROI.

Type unsigned char

Values

0 off (use ROI)

1 on (disable ROI)

Comment

Side Effect

VID ROIPos1X

VID ROIPos1Y

VID ROIPos1W

VID ROIPos1H

VID ROIPos2X

VID ROIPos2Y

VID ROIPos2W

VID ROIPos2H

VID ROIPos3X

VID ROIPos3Y

VID ROIPos3W

VID ROIPos3H

Set ROI X, Y, WIDTH, HEIGHT.

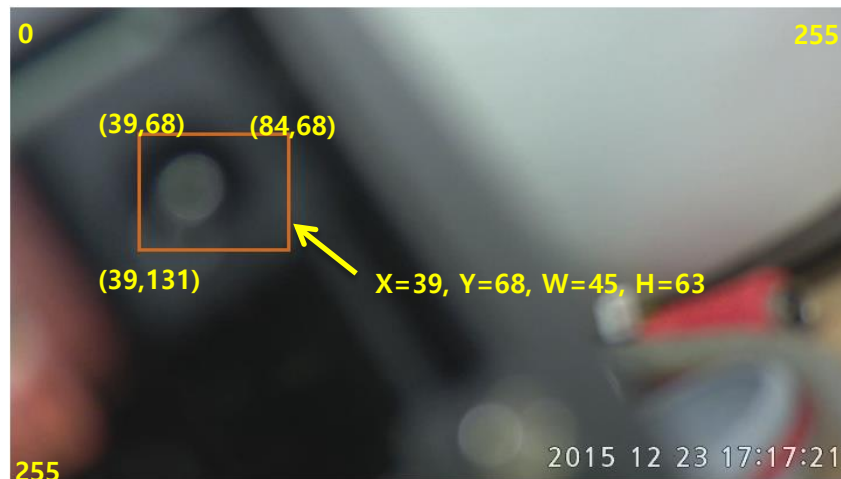
Type unsigned char

Values

0 ~ 255 (X, Y, WIDTH, HEIGHT)

ROIPosX + ROIPosW <= 255, ROIPosY + ROIPosH <= 255

Comment



Side Effect

VID CROPENABLE

Enable Crop.

Type unsigned char

Values

0 Stretch

1 Crop

Comment

Applied Model
ANT-45000(Decoder Mode), ANT-36000

Side Effect

2.4 Audio Configuration

AUD AUDIOMODE

Audio communication mode

Type unsigned char

Values

0	Off
1	Tx-Only
2	Rx-Only
3	Tx & Rx

Comment

Side Effect

All Link disconnect

AUD ALGORITHM

Audio encoding/decoding algorithm

Type unsigned char

Values

0	G.711 mu-law
1	AAC

Comment

Side Effect

All Link disconnect

AUD BITRATE

Audio bitrate

Type unsigned char

Values

0	64Kbps
---	--------

1 128Kbps

Comment

Valid only when AUD_ALGORITHM is AAC.

Side Effect

All Link disconnect

AUD_GAIN

Audio input gain

Type unsigned char

Values

0~31

Comment

Side Effect

AUD_RECVPOR

Audio receive port for general purpose

Type unsigned short

Values

1 ~ 65535 Port number

Comment

Side Effect

AUD_CURENCBITRATE

AUD_CURDECBITRATE

Read current encode/decode bitrate

Type unsigned long

Values

0 ~ kbps

Comment

Read only

Side Effect

2.5 Network Configuration

NET_LOCALIPMODE

Local IP mode

Type unsigned char**Values**

0 fixed IP

1 DHCP

Comment**Side Effect**

System reboot

NET_REMOTECONNECT

To set if a Duplex system initiate connection to the peer

Type unsigned char**Values**

0 Off

1 On

Comment

Valid only when SYS_MODE is Duplex.

Side Effect

All Link disconnect

NET_REMOTECHANNEL

Channel number of remote system to connect (when remote system has multiple channels)

Type unsigned char**Values**

0~3 Channel number

Comment

Valid when SYS_MODE is Decoder or Duplex with REMOTECONNECT set(On).

Side Effect

All Link disconnect

NET_LOCALIP**NET_LOCALGATEWAY****NET_LOCALSUBNET**

IP address

Type unsigned long**Values***IP address* Big-endian**Comment****Side Effect**

System reboot if NET_LOCALIPMODE is 0.

String for HTTP API

Read/Write : NET_LOCALIP=192.168.10.100

NET_DOMAINNAME

Address(IP or domain name) of the peer to connect

Type 64bytes array**Values***Null terminated String for IP address or domain name, Max 63 characters***Comment**

Valid when SYS_MODE is Decoder or Duplex with REMOTECONNECT set(On).

Valid when NET_REMOTEIPMODE is Domain.

Side Effect

All Link disconnect

String for HTTP APIRead/Write : NET_DOMAINNAME=192.168.10.200
NET_DOMAINNAME=remote.addr.com**NET_MULTICASTIP**

Multicast IP

Type unsigned long**Values***IP address* Big-endian**Comment****Side Effect**

System reboot

String for HTTP API

Read/Write : NET_MULTICASTIP=224.0.10.1

NET DNSIP

NET DNSIP2

Primary DNS server address and secondary DNS server address

Type unsigned long

Values

IP address Big-endian

Comment

Side Effect

System reboot

String for HTTP API

Read/Write : NET_DNSIP=168.126.63.1

NET DDNSREGISTER

DDNS server to use

Type unsigned char

Values

0	Off
1	TrueDNS
2	Dyn-DNS

Comment

Side Effect

NET BASEPORT

Base port

Type unsigned short

Values

1 ~ 65535 Port number

Comment

Side Effect

System reboot

NET HTTPPORT

HTTP port

Type unsigned short

Values

1 ~ 65535 Port number

Comment

Side Effect

NET_FLOWCONTROLMODE

Flow control mode

Type unsigned char

Values

0 Min mode
 1 Max mode
 2 Adjust mode
 3 Off

Comment

Valid when SYS_MODE is Encoder or Duplex.

Side Effect

NET_CURRENTIP

Read current IP address

Type unsigned long

Values

IP address Big-endian

Comment

Read-Only.

Side Effect

String for HTTP API

Read : NET_CURRENTIP=192.168.10.100

NET_CURRENTDOMAIN

Read current domain name

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment

Read-Only.

Side Effect**String for HTTP API**

Read : NET_CURRENTDOMAIN=myname.addr.com

NET_MAC

Read MAC address

Type 6bytes array**Values***6 unsigned char for H/W address***Comment**

Read-Only.

Side Effect**String for HTTP API**

Read : NET_MAC=00:1C:63:A3:00:01

NET_DYNDNSDOMAIN

DynDNS domain name

Type 64bytes array**Values***Null terminated String, Max 63 characters***Comment**

Valid when NET_DDNSREGISTER is Dyn-DNS.

Side Effect**NET_DYDNSID**

DynDNS ID

Type 16bytes array**Values***Null terminated String, Max 15 characters***Comment**

Valid when NET_DDNSREGISTER is Dyn-DNS.

Side Effect**NET_DYDNSPASSWD**

DynDNS Password

Type 16bytes array

Values

Null terminated String, Max 15 characters

Comment

Valid when NET_DDNSREGISTER is Dyn-DNS..

Side Effect**NET_PROTOCOL**

Transport protocol to use for media communication

Type unsigned char

Values

0	TCP
1	UDP
2	Multicast

Comment

Valid when SYS_MODE is Decoder or Duplex with REMOTECONNECT set(On).

Side Effect

All Link disconnect

NET_DNSAUTO

Set whether DNS server address is obtained automatically or not

Type unsigned char

Values

0	Off
1	On

Comment

Valid only when NET_LOCALIPMODE is DHCP.

Side Effect

System reboot

NET_RTSPPORT

RTSP port

Type unsigned short

Values

1 ~ 65535	Port number
-----------	-------------

Comment

Side Effect**NET_USERTPSESSION**

Use RTP session(The RTP only streaming without RTSP connection)

Type unsigned char**Values**

0 Off

1 On

Comment**Side Effect****NET RTPSESSIONPORT**

RTP Session port

Type unsigned short**Values**

1 ~ 65535 Port number

Comment**Side Effect****NET RTPSESSIONUSER**

RTP Session name

Type 32bytes array**Values***Null terminated String, Max 31 characters***Comment**

Valid only when NET_LOCALIPMODE is DHCP.

Side Effect

System reboot

NET RTPSESSIONFILE

SDP file name

Type 32bytes array**Values***Null terminated String, Max 31 characters***Comment****Side Effect**

NET RTPSESSIONIP

RTP Session IP

Type unsigned long**Values***IP address* Big-endian**Comment****Side Effect****NET SNMPTRAPIP**

Destination IP address for SNMP trap

Type unsigned long**Values***IP address* Big-endian**Comment****Side Effect****NET SNMPTRAPPORT**

Destination Port number for SNMP trap

Type unsigned short**Values***1 ~ 65535* Port number**Comment****Side Effect****NET SNMPPORT**

Listen Port number for SNMP agent

Type unsigned short**Values***1 ~ 65535* Port number**Comment****Side Effect****NET USESS**

Connect to remote system via streaming server

Type unsigned char

Values

0	Off
1	On

Comment**Side Effect****NET SSIP**

IP address of the streaming server

Type unsigned long**Values**

<i>IP address</i>	Big-endian
-------------------	------------

Comment**Side Effect****NET SSPORT**

Connection Port number of the streaming server

Type unsigned short**Values**

<i>1 ~ 65535</i>	Port number
------------------	-------------

Comment**Side Effect****NET SSUSER**

User name to connect to the streaming server

Type 16bytes array**Values**

Null terminated String, Max 15 characters

Comment**Side Effect****NET SSPASS**

Password to connect to the streaming server

Type 16bytes array**Values**

Null terminated String, Max 15 characters

Comment

Side Effect**NET_REMOTEPORT**

Base port of the remote system to connect

Type unsigned short**Values**

1 ~ 65535 Port number

Comment**Side Effect****NET_USERTSPAUTH**

Enable authentication on RTSP connection

Type unsigned char**Values**

0 Off

1 On

Comment**Side Effect****NET_REMOTEYPE**

Connection type of remote system to connect

Type unsigned char**Values**

0 Normal

1 RTSP

2 RTP

3 MPEG-TS

4 ONVIF

5 RTMP

Comment

Valid when SYS_MODE is Decoder

Side Effect**NET_USEHTTPAPIAUTH**

Enable authentication on HTTPAPI connection

Type unsigned char

Values

0	Off
1	On

Comment**Side Effect****NET_UPNPENABLE**

Enable responding UPNP based discovery

Type unsigned char**Values**

0	Off
1	On

Comment**Side Effect****NET_ZEROCONFENABLE**

Enable responding zeroconf based discovery

Type unsigned char**Values**

0	Off
1	On

Comment**Side Effect****NET_WSDISCOVERYENABLE**

Enable responding WS Discovery based discovery

Type unsigned char**Values**

0	Off
1	On

Comment**Side Effect****NET_HTTPSPORT**

HTTPS port

Type unsigned short

Values

1 ~ 65535 Port number

Comment**Side Effect****NET_IPV6LINKLOCALADDRESS**

IPv6 link local address

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment

Read only

Side Effect**NET_TTL**

TTL for the IP

Type unsigned char

Values

0 ~ 255

Comment**Side Effect****NET RTPSESSIONVIDEO**

Video stream selection for RTP session

Type unsigned char

Values

0	Primary video
1	Secondary video #1
2	Secondary video #2
3	Secondary video #3
4	JPEG capture

Comment**Side Effect****NET_QOSENABLE**

Enable QOS.

Type unsigned char

Values

0 Off

1 On

Comment

Side Effect

NET_DSCP

Set DSCP for QOS.

Type unsigned char

Values

0 ~ 63

Comment

Side Effect

NET_SLENABLE

Enable SSL.

Type unsigned char

Values

0 Off

1 On

Comment

Side Effect

NET_SSLCRYPTO

Enable SSL Crypto.

Type unsigned char

Values

0 Off

1 On

Comment

Side Effect

NET_SSLUSER

Set SSL User ID.

Type 16bytes array

Values

Null terminated String, Max 15 characters

Comment**Side Effect****NET SSLPASS**

Set SSL Password.

Type 16bytes array

Values

Null terminated String, Max 15 characters

Comment**Side Effect****NET SSLAddress**

Set SSL Address.

Type 32bytes array

Values

Null terminated String, Max 31 characters

Comment**Side Effect****NET SSLPort**

Set SSL Port.

Type unsigned short

Values

1 ~ 65535 Port number

Comment**Side Effect****NET IPFILTERMODE**

Set IP Filter Mode.

Type unsigned char

Values

0 Allow all
1 Deny all

Comment

Allow or Deny all connections except addresses in the list

Side Effect

NET IPFILTERIPUSE00 ~ IPFILTERIPUSE19

Enable each address list

Type unsigned char

Values

0 Off

1 On

Comment

Side Effect

NET IPFILTERIPBEGIN00 ~ IPFILTERIPBEGIN19

First IP Address of each list.

Type unsigned int

Values

IP address Big-endian

Comment

Side Effect

NET IPFILTERIPEND00 ~ IPFILTERIPEND19

Last IP Address of each list.

Type unsigned int

Values

IP address Big-endian

Comment

Side Effect

2.6 Serial Configuration

SER PROTOCOL 1
SER PROTOCOL 2
SER PROTOCOL 3
SER PROTOCOL 4

Set type of serial port

Type unsigned char

Values

0	RS-232C
1	RS-422
2	RS-485

Comment

ANT-3300	SER_PROTOCOL_1 : fixed to RS-232C SER_PROTOCOL_2 : RS-422 or RS-485 SER_PROTOCOL_3 : N/A SER_PROTOCOL_4 : N/A
TCAM series	SER_PROTOCOL_1 : N/A SER_PROTOCOL_2 : fixed to RS-485 SER_PROTOCOL_3 : N/A SER_PROTOCOL_4 : N/A

Side Effect
SER BITRATE 1
SER BITRATE 2
SER BITRATE 3
SER BITRATE 4

Set baud rate of serial port

Type unsigned char

Values

0	2400 bps
1	4800 bps
2	9600 bps
3	19200 bps
4	38400 bps
5	57600 bps
6	115200 bps

Comment

Side Effect

SER DATABIT 1

SER DATABIT 2

SER DATABIT 3

SER DATABIT 4

Set data bit of serial port

Type unsigned char

Values

0	5 bit
1	6 bit
2	7 bit
3	8 bit

Comment

Side Effect

SER PARITY 1

SER PARITY 2

SER PARITY 3

SER PARITY 4

Set parity of serial port

Type unsigned char

Values

0	None
1	Even
2	Odd

Comment

Side Effect

SER STOPBIT 1

SER STOPBIT 2

SER STOPBIT 3

SER STOPBIT 4

Set stop bit of serial port

Type unsigned char

Values

0 1 bit

1 2 bit

Comment

Side Effect

SER_SENSORTYPE_1

SER_SENSORTYPE_2

SER_SENSORTYPE_3

SER_SENSORTYPE_4

Set contact type of sensor device

Type unsigned char

Values

0 Off

1 Normal-Open

2 Normal-Close

Comment

ANT-3300 : SER_SENSORTYPE_1 and SER_SENSORTYPE_2 are valid,

TCAM series : only SER_SENSORTYPE_1 is valid

Side Effect

SER_PTZTYPE

PTZ type

Type unsigned char

Values

0 None

1 Sungjin

2 Fine

3 *Pelco-D*

4 *Pelco-P*

5 *Scandomell*

6 *Samsung*

7 *Oriental*

8 *Sungjin MPU*

9 *D-Max*

10 *Mikami*

11 *RVision*

12	<i>Geosan</i>
13	<i>Sanyo</i>
14	<i>Samsung-Techwin</i>
15	<i>Sony</i>
16	<i>Dynacolor</i>
17	<i>LG-Multix</i>
18	<i>Cynix</i>
19	<i>VICON</i>
20	<i>BBV</i>
21	<i>Scandome-3</i>
22	<i>MSC protocol</i>
23	<i>Tokina</i>
24	<i>WONWOO</i>
25	<i>DY-elec</i>
26	<i>PU CCTV</i>
27	<i>KEX CCTV</i>
28	<i>Inter M</i>
29	<i>KALATEL</i>
30	<i>American Dynamics</i>
31	<i>BOSCH type2</i>
32	<i>BOSCH type4</i>
33	<i>BOSCH type8</i>
34	<i>JAVELIN</i>
35	<i>NIKO</i>
36	<i>OULIM</i>
37	<i>Forward Vision</i>

Comment

PTZ type can be added on demand.

Side Effect
SER_PTZID

PTZ ID

Type unsigned char

Values

0~255

Comment

Side Effect

SER_PTZPORT

Serial port to use for PTZ control

Type unsigned char

Values

0~1 0: RS-232C, 1: RS-485

Comment

ANT-3300 only

Side Effect

SER_SEN1SCHESESUN ~ SER_SEN1SCHESESAT

SER_SEN2SCHESESUN ~ SER_SEN2SCHESESAT

SER_SEN3SCHESESUN ~ SER_SEN3SCHESESAT

SER_SEN4SCHESESUN ~ SER_SEN4SCHESESAT

Sensor enable schedule by day of the week and time

Type 32 bytes, array type

Values

From Array[0] to Array[23]are valid. Only 24 digits are used in HTTP API

Array[0] represents 0:00:00 ~ 0:59:59, Array[1] represents 1:00:00 ~ 1:59:59

Each value can be 0 or 1

0 Disable

1 Enable

Comment

ANT-3300 : schedule of sensor 1 and sensor 2 are valid

TCAM series : schedule of sensor 1 is valid

Side Effect

String for HTTP API

Read/Write : SER_SEN1SCHESESUN=000011110000111100001111

SER_DIRECTKEYBOARD

Enable direct connection of PTZ keyboard to TCAM-530 for controlling of zoom and focus

Type unsigned char

Values

0 Off

1 On

Comment

TCam-530 only

Side Effect

SER POSSESSIONTIME

Set serial port possession time of each client.

Type unsigned char

Values

0 Off

1~10 Seconds

Comment

Side Effect

2.7 Event Configuration

EVT LOCALSENSOR 1

EVT LOCALSENSOR 2

EVT LOCALSENSOR 3

EVT LOCALSENSOR 4

Action on local sensor trigger

Type unsigned short

Values

1 (0x01)	Beep enable
2 (0x02)	Alarm 1 Enable
4 (0x04)	Alarm 2 Enable
8 (0x08)	E-mail Notification Enable
16 (0x10)	FTP Upload Enable
32 (0x20)	Preset Enable
64 (0x40)	Google Drive Enable
128 (0x80)	OSD Enable
256 (0x100)	HTTP Action Enable

Multiple actions can be specified using bitwise OR-ing.

Comment

Side Effect
String for HTTP API

Read/Write : EVT_LOCALSENSOR_1=16

EVT REMOTESENSOR 1
EVT REMOTESENSOR 2
EVT REMOTESENSOR 3
EVT REMOTESENSOR 4

Action on remote sensor trigger

Type	unsigned short
Values	
1 (0x01)	Beep enable
2 (0x02)	Alarm 1 Enable
4 (0x04)	Alarm 2 Enable
8 (0x08)	E-mail Notification Enable
16 (0x10)	FTP Upload Enable
32 (0x20)	Preset Enable
64 (0x40)	Google Drive Enable
128 (0x80)	OSD Enable
256 (0x100)	HTTP Action Enable

Multiple actions can be specified using bitwise OR-ing.

Comment
Side Effect
EVT LOCALLOSS
EVT REMOTELOSS

Action on local/remote video loss detection

Type	unsigned short
Values	
1 (0x01)	Beep enable
2 (0x02)	Alarm 1 Enable
4 (0x04)	Alarm 2 Enable
8 (0x08)	E-mail Notification Enable
16 (0x10)	FTP Upload Enable
32 (0x20)	Preset Enable

64 (0x40)	Google Drive Enable
128 (0x80)	OSD Enable
256 (0x100)	HTTP Action Enable

Multiple actions can be specified using bitwise OR-ing.

Comment

Encoder: only EVT_LOCALLOSS is valid

Decoder: only EVT_REMOTELOSS is valid

Side Effect

EVT_LOCALMOTION

EVT_REMOTEMOTION

Action on local/remote motion detection

Type unsigned short

Values

1 (0x01)	Beep enable
2 (0x02)	Alarm 1 Enable
4 (0x04)	Alarm 2 Enable
8 (0x08)	E-mail Notification Enable
16 (0x10)	FTP Upload Enable
32 (0x20)	Preset Enable
64 (0x40)	Google Drive Enable
128 (0x80)	OSD Enable
256 (0x100)	HTTP Action Enable

Multiple actions can be specified using bitwise OR-ing.

Comment

Encoder: only EVT_LOCALMOTION is valid

Decoder: only EVT_REMOTEMOTION is valid

Side Effect

EVT_DISCONNECT

Action on Link disconnection

Type unsigned short

Values

1 (0x01)	Beep enable
----------	-------------

2 (0x02)	Alarm 1 Enable
4 (0x04)	Alarm 2 Enable
8 (0x08)	E-mail Notification Enable
16 (0x10)	FTP Upload Enable
32 (0x20)	Preset Enable
64 (0x40)	Google Drive Enable
128 (0x80)	OSD Enable
256 (0x100)	HTTP Action Enable

Multiple actions can be specified using bitwise OR-ing.

Comment

Encoder: when all connections with decoder/clients are lost

Decoder: when the connection to Encoder is lost

Duplex: when the connection to peer is lost

Side Effect

EVT_LOCALAUDIODETECTION

EVT_REMOTEAUDIODETECTION

Action on local/remote audio detection

Type unsigned short

Values

1 (0x01)	Beep enable
2 (0x02)	Alarm 1 Enable
4 (0x04)	Alarm 2 Enable
8 (0x08)	E-mail Notification Enable
16 (0x10)	FTP Upload Enable
32 (0x20)	Preset Enable
64 (0x40)	Google Drive Enable
128 (0x80)	OSD Enable
256 (0x100)	HTTP Action Enable

Multiple actions can be specified using bitwise OR-ing.

Comment

Encoder: only EVT_LOCALAUDIODETECTION is valid

Decoder: only EVT_REMOTEAUDIODETECTION is valid

Side Effect

EVT_LINECROSSING

EVT_INTRUSION

EVT_TAMPERING

Action on IVS(Intelligent video surveillance) Event.

Type	unsigned short
Values	
1 (0x01)	Beep enable
2 (0x02)	Alarm 1 Enable
4 (0x04)	Alarm 2 Enable
8 (0x08)	E-mail Notification Enable
16 (0x10)	FTP Upload Enable
32 (0x20)	Preset Enable
64 (0x40)	Google Drive Enable
128 (0x80)	OSD Enable
256 (0x100)	HTTP Action Enable

Multiple actions can be specified using bitwise OR-ing.

Comment

Encoder Only.

Need IVS License.

Side Effect

EVT_BEEPDURATION

EVT_RELAYDURATION 1

EVT_RELAYDURATION 2

Dwell time of Beep or Alarm

Type	unsigned char
Values	
0	Synchronous
1	1 second
2	5 seconds
3	10 seconds
4	30 seconds
5	60 seconds
6	continuous.

Comment

TCAM series: only EVT_RELAYDURATION_1 is valid.

Side Effect

EVT PRETIME

EVT POSTTIME

Set pre and post time for event recording

Type unsigned char

Values

0	None
1	1 second
2	5 seconds
3	10 seconds
4	20 seconds
5	30 seconds

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

EVT EMAILSERVER

Set SMTP server address for event recording.

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

EVT EMAILID

Set ID for accessing SMTP server if authentication needed.

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

EVT_EMAILPASS

Set password for accessing SMTP server if authentication needed.

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_EMAILDEST**

Set e-mail destination addresses for event recording.

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_EMAILVATTACH**

Set whether attach video clip in the e-mail.

Type unsigned char

Values

- | | |
|---|-------------------------------------|
| 0 | Off |
| 1 | Primary Channel Video |
| 2 | Secondary Channel Video(H.264 only) |
| 3 | JPEG Capture |

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_EMAILAUTHENT**

Do authentication procedure on SMTP server.

Type unsigned char

Values

- | | |
|---|-----|
| 0 | Off |
|---|-----|

1 On

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_FTPSERVER**

Set FTP server address for event recording.

Type 64bytes array**Values***Null terminated String, Max 63 characters***Comment**

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_FTPPORT**

Set port number of FTP server for event recording.

Type unsigned short**Values**

1 ~ 65535 Port number

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_FTPID**

Set ID for accessing FTP server.

Type 64bytes array**Values***Null terminated String, Max 63 characters***Comment**

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_FTPPASS**

Set password for accessing FTP server.

Type 64bytes array**Values**

Null terminated String, Max 63 characters

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

EVT_EMAILPORT

Set port number of SMTP server for event recording.

Type unsigned short

Values

1 ~ 65535 Port number

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

EVT_PRESETLOCALSENSOR 1

EVT_PRESETLOCALSENSOR 2

EVT_PRESETLOCALSENSOR 3

EVT_PRESETLOCALSENSOR 4

Set preset position on local sensor trigger

Type unsigned short

Values

0 No Preset

1 ~ 512 Preset #1 ~ #500

Comment

ANT-3300 : EVT_PRESETLOCALSENSOR_1 and

EVT_PRESETLOCALSENSOR_2 are valid

TCAM series : EVT_PRESETLOCALSENSOR_1 is valid

Side Effect

EVT_PRESETREMOTESENSOR 1

EVT_PRESETREMOTESENSOR 2

EVT_PRESETREMOTESENSOR 3

EVT_PRESETREMOTESENSOR 4

Set preset position on remote sensor trigger

Type unsigned short

Values

0	No Preset
1 ~ 512	Preset #1 ~ #500

Comment

ANT-3300 : EVT_PRESETREMOTESENSOR_1 and
 EVT_PRESETREMOTESENSOR_2 are valid
 TCAM series : EVT_PRESETREMOTESENSOR_1 is valid

Side Effect

EVT_PRESETLOCALLOSS

EVT_PRESETREMOTELOSS

Set preset position on local/remote video loss detection

Type unsigned short

Values

0	No Preset
1 ~ 512	Preset #1 ~ #500

Comment

Encoder: only EVT_PRESETLOCALLOSS is valid
 Decoder: only EVT_PRESETREMOTELOSS is valid

Side Effect

EVT_PRESETLOCALMOTION

EVT_PRESETREMOTEMOTION

Set preset position on local/remote motion detection

Type unsigned short

Values

0	No Preset
1 ~ 512	Preset #1 ~ #500

Comment

Encoder: only EVT_PRESETLOCALMOTION is valid
 Decoder: only EVT_PRESETREMOTEMOTION is valid

Side Effect

EVT_PRESETDISCONNECT

Set preset position on Link disconnection

Type unsigned short

Values

0	No Preset
1 ~ 512	Preset #1 ~ #500

Comment

Encoder: when all connections with decoder/clients are lost
 Decoder: when the connection to Encoder is lost
 Duplex: when the connection to peer is lost

Side Effect
EVT_PRESETLOCALAUDIODETECTION
EVT_PRESETREMOTEAUDIODETECTION

Set preset position on local/remote audio detection

Type unsigned short

Values

0	No Preset
1 ~ 512	Preset #1 ~ #500

Comment

Encoder: only EVT_PRESETLOCALAUDIODETECTION is valid
 Decoder: only EVT_PRESETREMOTEAUDIODETECTION is valid

Side Effect
EVT_PRESETLINECROSSING
EVT_PRESETINTRUSION
EVT_PRESETTAMPERING

Set preset position on IVS Event.

Type unsigned short

Values

0	No Preset
1 ~ 512	Preset #1 ~ #500

Comment

Encoder Only.
 Need IVS License.

Side Effect
EVT_EMAILSENDER

Set sender address for accessing SMTP server

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_FTPCONTUPLOAD**

Set continuous upload of video via FTP

Type unsigned char

Values

0 Disable

1 Enable

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_FTPCONTDURATION**

Set video capture duration when continuous upload is enabled.

Type unsigned short

Values

0 ~ 300 seconds

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_FTPCONTINTERVAL**

Set upload interval when continuous upload is enabled.

Type unsigned short

Values

0 ~ 3600 seconds

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**EVT_UPLOADVIDEO**

Set upload video type via FTP

Type unsigned char

Values

0	Primary Channel Video
1	Secondary Channel Video(H.264 only)
2	JPEG Capture

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

EVT OSDLOCALSENSOR 1

EVT OSDLOCALSENSOR 2

EVT OSDLOCALSENSOR 3

EVT OSDLOCALSENSOR 4

Set OSD Index on local sensor trigger

Type unsigned char

Values

0	Off
1	Event OSD 1
2	Event OSD 2
3	Event OSD 3
4	Event OSD 4

Comment

ANT-3300 : EVT_PRESETLOCALSENSOR_1 and

EVT_PRESETLOCALSENSOR_2 are valid

TCAM series : EVT_PRESETLOCALSENSOR_1 is valid

Side Effect

EVT OSDREMOTESENSOR 1

EVT OSDREMOTESENSOR 2

EVT OSDREMOTESENSOR 3

EVT OSDREMOTESENSOR 4

Set OSD Index on Remote sensor trigger

Type unsigned char

Values

0	Off
1	Event OSD 1

2	Event OSD 2
3	Event OSD 3
4	Event OSD 4

Comment

ANT-3300 : EVT_PRESETREMOTESENSOR_1 and
 EVT_PRESETREMOTESENSOR_2 are valid
 TCAM series : EVT_PRESETREMOTESENSOR_1 is valid

Side Effect
EVT OSDLOCALLOSS
EVT OSDREMOTELOSS

Set OSD Index on local/remote video loss detection

Type unsigned char

Values

0	Off
1	Event OSD 1
2	Event OSD 2
3	Event OSD 3
4	Event OSD 4

Comment

Encoder: only EVT_PRESETLOCALLOSS is valid
 Decoder: only EVT_PRESETREMOTELOSS is valid

Side Effect
EVT OSDLOCALMOTION
EVT OSDREMOTEMOTION

Set OSD Index on local/remote motion detection

Type unsigned char

Values

0	Off
1	Event OSD 1
2	Event OSD 2
3	Event OSD 3
4	Event OSD 4

Comment

Encoder: only EVT_PRESETLOCALMOTION is valid

Decoder: only EVT_PRESETREMOTEMOTION is valid

Side Effect

EVT OSDDISCONNECT

Set OSD Index on Link disconnection

Type unsigned char

Values

0	Off
1	Event OSD 1
2	Event OSD 2
3	Event OSD 3
4	Event OSD 4

Comment

Encoder: when all connections with decoder/clients are lost

Decoder: when the connection to Encoder is lost

Duplex: when the connection to peer is lost

Side Effect

EVT OSDLOCALAUDIODETECTION

EVT OSDREMOTEAUDIODETECTION

Set OSD Index on local/remote audio detection

Type unsigned char

Values

0	Off
1	Event OSD 1
2	Event OSD 2
3	Event OSD 3
4	Event OSD 4

Comment

Encoder: only EVT_PRESETLOCALAUDIODETECTION is valid

Decoder: only EVT_PRESETREMOTEAUDIODETECTION is valid

Side Effect

EVT OSDLINECROSSING

EVT OSDINTRUSION

EVT OSDTAMPERING

Set OSD Index on IVS Event.

Type unsigned char

Values

0	Off
1	Event OSD 1
2	Event OSD 2
3	Event OSD 3
4	Event OSD 4

Comment

Encoder Only.

Need IVS License.

Side Effect

EVT HTTPLOCALSENSOR 1

EVT HTTPLOCALSENSOR 2

EVT HTTPLOCALSENSOR 3

EVT HTTPLOCALSENSOR 4

Set HTTP action Index on local sensor trigger

Type unsigned char

Values

0	Off
1	HTTP Action 1
2	HTTP Action 2
3	HTTP Action 3
4	HTTP Action 4

Comment

ANT-3300 : EVT_PRESETLOCALSENSOR_1 and

EVT_PRESETLOCALSENSOR_2 are valid

TCAM series : EVT_PRESETLOCALSENSOR_1 is valid

Side Effect

EVT HTTPREMOTESENSOR 1
EVT HTTPREMOTESENSOR 2
EVT HTTPREMOTESENSOR 3
EVT HTTPREMOTESENSOR 4

Set HTTP action Index on Remote sensor trigger

Type unsigned char

Values

0	Off
1	HTTP Action 1
2	HTTP Action 2
3	HTTP Action 3
4	HTTP Action 4

Comment

ANT-3300 : EVT_PRESETREMOTESENSOR_1 and

EVT_PRESETREMOTESENSOR_2 are valid

TCAM series : EVT_PRESETREMOTESENSOR_1 is valid

Side Effect
EVT HTTPLOCALLOSS
EVT HTTPREMOTELOSS

Set HTTP action Index on local/remote video loss detection

Type unsigned char

Values

0	Off
1	HTTP Action 1
2	HTTP Action 2
3	HTTP Action 3
4	HTTP Action 4

Comment

Encoder: only EVT_PRESETLOCALLOSS is valid

Decoder: only EVT_PRESETREMOTELOSS is valid

Side Effect
EVT HTTPLOCALMOTION
EVT HTTPREMOTEMOTION

Set HTTP action Index on local/remote motion detection

Type unsigned char

Values

0	Off
1	HTTP Action 1
2	HTTP Action 2
3	HTTP Action 3
4	HTTP Action 4

Comment

Encoder: only EVT_PRESETLOCALMOTION is valid

Decoder: only EVT_PRESETREMOTEMOTION is valid

Side Effect

EVT HTTPDISCONNECT

Set HTTP action Index on Link disconnection

Type unsigned char

Values

0	Off
1	HTTP Action 1
2	HTTP Action 2
3	HTTP Action 3
4	HTTP Action 4

Comment

Encoder: when all connections with decoder/clients are lost

Decoder: when the connection to Encoder is lost

Duplex: when the connection to peer is lost

Side Effect

EVT HTTPLOCALAUDIODETECTION

EVT HTTPREMOTEAUDIODETECTION

Set HTTP action Index on local/remote audio detection

Type unsigned char

Values

0	Off
1	HTTP Action 1
2	HTTP Action 2
3	HTTP Action 3

4 HTTP Action 4

Comment

Encoder: only EVT_PRESETLOCALAUDIODETECTION is valid

Decoder: only EVT_PRESETREMOTEAUDIODETECTION is valid

Side Effect

EVT_HTTPLINECROSSING

EVT_HTTPINTRUSION

EVT_HTTPTAMPERING

Set HTTP action Index on IVS Event.

Type unsigned char

Values

0	Off
1	HTTP Action 1
2	HTTP Action 2
3	HTTP Action 3
4	HTTP Action 4

Comment

Encoder Only.

Need IVS License.

Side Effect

EVT_USERDEFINEDEVENT1

EVT_USERDEFINEDEVENT2

Choose user defined event.

Type unsigned short

Values

0	None
1	Beep
2	Alarm1
4	Alarm2
8	Email
16	FTP
32	Preset
64	Google Drive
128	OSD

256	HTTP
512	Alarm3
1024	Alarm4

Multiple actions can be specified using bitwise OR-ing.

Comment

Default: 0

EVT_USERDEFINEDEVENTTYPE1

EVT_USERDEFINEDEVENTTYPE2

Choose user defined event type.

Type unsigned char

Values

0	None
1	Day to Night
2	Night to Day
3	Time Changed

Comment

Default: 0

EVT_PRESETUSERDEFINEDEVENT1

EVT_PRESETUSERDEFINEDEVENT2

If you have select preset(user defined event), set preset number or pattern number or swing number or group number.

Type unsigned short

Values

0	None
1 ~ 500	Preset-1 ~ Preset-500(Except 131~134, 141~148, 151~158, 161~162, 167, 174~175, 177~179)
131~134	Pattern-1 ~ Pattern-4
141~148	Swing-1 ~ Swing-8
151~158	Group-1 ~ Group-8

But swings and patterns are PTZ camera only.

Comment

Default: 0

EVT OSDUSERDEFINEDEVENT1
EVT OSDUSERDEFINEDEVENT2

Select OSD.

Type unsigned char

Values

0	Off
1	Event OSD1
2	Event OSD2
3	Event OSD3
4	Event OSD4

Comment

Default: 0

EVT HTTPUSERDEFINEDEVENT1
EVT HTTPUSERDEFINEDEVENT2

Select HTTP action.

Type unsigned char

Values

0	Off
1	Http Action1
2	Http Action2
3	Http Action3
4	Http Action4

Comment

Default: 0

2.8 Display Configuration

DIS LOCALSENSOR
DIS REMOTESENSOR

Set whether status of local(remote) sensor is to be displayed on the monitor

Type unsigned char

Values

0	Off
1	On event

2 Always

Comment

Valid only when system mode is Decoder or Duplex.

Side Effect

DIS MOTION

Set whether motion detection status is to be displayed on the monitor

Type unsigned char

Values

0 Off
1 On

Comment

Valid only when system mode is Decoder or Duplex.

Side Effect

DIS SITEVIEW

System ID display on video output

Type unsigned char

Values

0 Off
1 Local // Display local(Decoder's) ID
2 Remote //Display remote(Encoder's) ID

Comment

Valid only when system mode is Decoder or Duplex.

Side Effect

DIS SITEPOSITION

Position of system ID display

Type unsigned char

Values

0 Bottom
1 Top

Comment

Valid only when system mode is Decoder or Duplex.

Side Effect

DIS_LEDVIEW

Usage of Data LED

Type unsigned char

Values

0	Video
1	Audio
2	Serial

Comment

ANT-3300 only

Side Effect

2.9 User Configuration

User configuration is supported only in HTTP API.

USR_DEL

Delete user with user ID

Type String

Values

User ID max 15 characters

Comment

Write-only

Side Effect

String for HTTP API

Write : USR_DEL=UserID

USR_ADD

Add new user

Type String (*UserID:Password:Priority*)

Values

User ID and Password : max 15 characters

Priority

0	<i>admin</i>
1	<i>manager</i>
2	<i>user</i>
3	<i>guest</i>

Comment

Write-only

Side Effect**String for HTTP API**

Write : USR_ADD=UserID:1234:2

USR_MODPASS

Modify Password of the user

Type String (*UserID:OldPassword:NewPassword*)**Values***User ID and Password : max 15 characters***Comment**

Write-only

Side Effect**String for HTTP API**

Write : USR_MODPASS=UserID:1234:4321

USR_MODPRI

Modify Priority of the user

Type String (*UserID:Priority*)**Values***User ID : max 15 characters**Priority*

0	<i>admin</i>
1	<i>manager</i>
2	<i>user</i>
3	<i>guest</i>

Comment

Write-only

Side Effect**String for HTTP API**

Write : USR_MODPRI=UserID:1

USR_LIST

Get all user list with User Id and Priority

Type String (*UserID1:Priority1:UserID2:Priority2:...*)

Values

User ID : max 15 characters

Priority

0	admin
1	manager
2	user
3	guest

Comment

Read-only

Side Effect

String for HTTP API

Read : USR_LIST=admin:0:testuser:1:guest:3

USR_CHECKUSER

Check ID and password and read privilege level of that user

Type String (*UserID:Password*)

User ID and Password : max 15 characters

Comment

Write-only

Do not use with other configuration values in a command.

Side Effect

String for HTTP API

Write : USR_CHECKUSER=admin:1234

Return

USR_CHECKUSER=0 // privilege level is 'Admin'
USR_CHECKUSER=1 // privilege level is 'Manager'
USR_CHECKUSER=2 // privilege level is 'User'
USR_CHECKUSER=3 // privilege level is 'Guest'
USR_CHECKUSER=E0 // Unknown user
USR_CHECKUSER=E1 // Password Mismatch
USR_CHECKUSER=E9 // Unknown error

2.10 Record Configuration

REC_ENABLE

Enable or disable recording

Type unsigned char

Values

0 Disable

1 Enable

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

System reboot only when set to enable.

REC_DISKTYPE

Read current disk status, only for HTTP API user.

Type String

Values**Comment**

Valid only when SYS_MODE is Encoder.

Read-only

Side Effect**String for HTTP API**

Read : REC_DISKTYPE=USB Disk available

REC_DISKSIZE

Read disk size, only for HTTP API user.

Type String

Values**Comment**

Valid only when SYS_MODE is Encoder.

Read-only

Side Effect**String for HTTP API**

Read : REC_DISKSIZE=230.25G

REC_DISKAVAILABLE

Read available size, only for HTTP API user.

Type String

Values
Comment

Valid only when SYS_MODE is Encoder.

Read-only

Side Effect
String for HTTP API

Read : REC_DISKAVAILABLE=72.48G

REC OVERWRITE

Enable or disable overwrite

Type unsigned char

Values

0 Disable

1 Enable

Comment

Valid only when SYS_MODE is Encoder.

Side Effect
REC EVTTYPE1
REC EVTTYPE2
REC EVTTYPE3
REC EVTTYPE4

Make event type for setting schedule table

Type unsigned char

Values

1 (0x01) Sensor 1

2 (0x02) Sensor 2 (ANT-3300 only)

4 (0x04) Video Loss

8 (0x08) Motion Detection

Multiple events can be specified using bitwise OR-ing.

Comment

Valid only when SYS_MODE is Encoder.

Side Effect
String for HTTP API

Read/Write : REC_EVTTYPE1=6

REC PRETIME

REC POSTTIME

Set pre and post time for recording

Type unsigned char

Values

0	None
1	1 second
2	5 seconds
3	10 seconds
4	20 seconds
5	30 seconds

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

String for HTTP API

Read/Write : REC_PRETIME=5

REC SCHESUN ~ REC SCHESAT

Recording schedule by day of the week and time

Type 32 bytes, array type

Values

*From Array[0] to Array[23] are valid. Only 24 digits are used in HTTP API
 Array[0] represents 0:00:00 ~ 0:59:59, Array[1] represents 1:00:00 ~ 1:59:59
 Each value can be 0 ~ 6*

0	Record Off
1	Continuous
2	Disconnect
3	Event Type1
4	Event Type2
5	Event Type3
6	Event Type4

Comment

Valid only when SYS_MODE is Encoder.

Side Effect

String for HTTP API

Read/Write : REC_SCHESUN=111133000044444444441111

REC FORMAT

Command disk format

Type No parameter**Values****Comment**

Valid only when SYS_MODE is Encoder.

Write-only

Do not use with other configuration values in a command.

Side Effect

System reboot

REC MAXFILESIZE

Set maximum file size for recording

Type unsigned char**Values**

0	10 Mbytes
1	20 Mbytes
2	50 Mbytes
3	100 Mbytes
4	200 Mbytes

Comment

Valid only when SYS_MODE is Encoder.

Side Effect**String for HTTP API**

Read/Write : REC_MAXFILESIZE=2

REC DISKINFO

Read DiskInfo

Type**Values****Comment**

-1 : Error

Side Effect**String for HTTP API**

Read : REC_DISKINFO=0

REC MANUALREC

Set Manual record

Type unsigned char

Values

0	Off
1	On

Comment

Side Effect

REC MAXFILELENGTH

Set Record File Max Length(Time)

Type unsigned char

Values

Dependent on REC_RECORDFILEFORMAT(0 or 2)

	<u>0 (AVI)</u>	<u>2 (MP4)</u>
0	1 Minute	1 Minute
1	5 Minutes	5 Minutes
2	10 Minute	10 Minutes
3	30 Minutes	30 Minutes
4	1 Hour	1 Hour
5	Unlimited	-

Comment

Side Effect

REC BACKUPTOFTP

Enable record Backup to FTP

Type unsigned char

Values

0	Off
1	On

Comment

Side Effect

REC_ERASEAFTERBACKUP

Enable erase after ftp backup

Type unsigned char

Values

0	Off
1	On

Comment

Side Effect

REC_STARTBACKUP

Set Start Time of Backup Data

Type JY_Time_Type (8bytes), See SYS_STARTTIME

Values

Comment

Side Effect

String for HTTP API

Write : REC_STARTBACKUP=2008/04/08%2016:14:30

Read : REC_STARTBACKUP =2008/04/08 16:14:30

REC_RECORDVIDEO

Select Video(Primary, Secondary#1 ~ Secondary#3)

Type unsigned char

Values

0	Primary
1	Secondary#1
2	Secondary#2
3	Secondary#3

Comment

Side Effect

REC_RECORDFILEFORMAT

Select Record File Format

Type unsigned char

Values

0	AVI
2	MP4

Comment
Side Effect

2.11 PTZ Configuration

PTZ_AUTOPARKINGTIME

Set auto parking time of speed dome camera.

Type unsigned short

Values

0 off

1 ~ 3600Seconds

Comment
Applied Model
Side Effect

PTZ_AUTOPARKINGACTION

Set auto parking action of speed dome camera.

Type unsigned short

Values

0 none

1 ~ 500 preset-1 ~ preset-500(except 131~134, 141~148, 151~158,
 161~162, 167, 174~175, 177~179)

131~134 pattern-1~pattern-4

141~148 swing-1~ swing-8

151~158 group-1~group-8

Comment
Applied Model
Side Effect

PTZ_AUTOPARKINGACTION1

PTZ_AUTOPARKINGACTION2

PTZ_AUTOPARKINGACTION3

PTZ_AUTOPARKINGACTION4

Set auto parking action.

Type unsigned short

Values

0	none
1 ~ 500	preset-1 ~ preset-500(except 131~134, 141~148, 151~158, 161~162, 167, 174~175, 177~179)
131~134	pattern-1~pattern-4
141~148	swing-1~ swing-8
151~158	group-1~group-8

Comment
Applied Model
Side Effect
PTZ GROUPxxACTIONyy

Set group action of speed dome camera.

xx :group number (00~07)

yy :index number in the group (00~19)

Type unsigned short

Values

0	none
1 ~ 500	preset-1 ~ preset-500(except 131~134, 141~148, 151~158, 161~162, 167, 174~175, 177~179)
131~134	pattern-1~pattern-4
141~148	swing-1~ swing-8

Comment
Applied Model
Side Effect
PTZ GROUPxxDWELLyy

Set group dwell time of speed dome camera.

xx :group number (00~07)

yy :index number in the group (00~19)

Type unsigned char

Values

0 ~ 255	seconds
---------	---------

Comment
Applied Model
Side Effect

PTZ GROUPxxOPTIONyy

Set group option of speed dome camera.

xx :group number (00~07)

yy :index number in the group (00~19)

Type unsigned char

Values

0 ~ 255 speed when action is preset, repeat when others

Comment

Applied Model

Side Effect

PTZ GROUPxxENABLEyy

Set group enable of speed dome camera.

xx :group number (00~07)

yy :index number in the group (00~19)

Type unsigned char

Values

0 disable

1 enable

Comment

Applied Model

Side Effect

PTZ GroupxxWITHTRACKING

Enable Simultaneous Action With Motion Tracking in Group.

Type unsigned char

Values

0 *Off*

1 *On*

Comment

Applied Model

Side Effect

PTZ SWINGENABLExx

Set swing enable of speed dome camera.

xx :swing number (00~07)

Type unsigned char

Values

0 disable

1 enable

Comment

Applied Model

Side Effect

PTZ SWING1STPOSxx

Set swing 1st position of speed dome camera.

xx :swing number (00~07)

Type unsigned char

Values

0 ~ 128 preset number

Comment

Applied Model

Side Effect

PTZ SWING2NDPOSxx

Set swing 2nd position of speed dome camera.

xx :swing number (00~07)

Type unsigned char

Values

0 ~ 128 preset number

Comment

Applied Model

Side Effect

PTZ SWINGSPEEDxx

Set swing speed of speed dome camera.

xx :swing number (00~07)

Type unsigned char

Values

0 ~ 255 speed

Comment

Applied Model**Side Effect****PTZ_PTCondTime**

Set PresetTour RecurringTime.(PTZ Group#8)

Type unsigned int

Values

0 ~ 10000

Comment

Group #8 is dedicated to ONVIF PresetTour.

Applied Model**Side Effect****PTZ_PTCondDuration**

Set PresetTour Recurring Duration.(PTZ Group#8)

Type unsigned int

Values

0 ~ 10000 sec

Comment

Group #8 is dedicated to ONVIF PresetTour.

Applied Model**Side Effect****PTZ_PTName**

Set PresetTour Name.(PTZ Group#8)

Type 32bytes array

Values

Null terminated String, Max 30 characters.

Comment

Group #8 is dedicated to ONVIF PresetTour.

Applied Model**Side Effect****PTZ_ExtPTZAddr**

Set PTZ Camera IP Address

Type 32bytes array

Values

IP address Big-endian

Comment
Applied Model
Side Effect
PTZ ExtPTZHttpPort

Set PTZ Camera http port

Type unsigned short

Values

1 ~ 65535 Port number

Comment
Applied Model
Side Effect
PTZ ExtPTZBasePort

Set PTZ Camera base port

Type unsigned short

Values

1 ~ 65535 Port number

Comment
Applied Model
Side Effect
PTZ ExtPTZUse

Use PTZ Linkage

Type unsigned char

Values

0 Off

1 On

Comment
Applied Model
Side Effect
PTZ ExtPTZCentering

Set centering

Type unsigned char

Values

0 Off

1 On

Comment

Applied Model

Side Effect

PTZ ExtPTZDragandZoom

Set Drag and Zoom

Type unsigned char

Values

0 Off

1 On

Comment

Applied Model

Side Effect

PTZ ExtPTZAutoMode

Set Auto Mode

Type unsigned char

Values

0 Off

1 Motion based

2 IVS based

Comment

Applied Model

Side Effect

PTZ ExtPTZZoomEffective

Set Zoom enable at auto

Type unsigned char

Values

0 Off

1 On

Comment

Applied Model
Side Effect
PTZ ExtPTZPauseDuration

Set Pause Duration at Auto

Type unsigned char

Values

0 ~ 255 sec

Comment
Applied Model
Side Effect
PTZ AUTOCALIBRATION

Set auto calibration.

Type unsigned char

Values

0 Off

1 On

Comment
Default: 0
PTZ AUTOCALIBRATIONTIME

Set auto calibration time.

Type unsigned char

Values

0~23 hour

Comment
Default: 0

2.12 Camera Configuration

CAM SONY WBMode

White balance mode of Sony Zoom Module applied camera

Type unsigned char

Values

0 Auto

1	Manual
2	Indoor
3	Outdoor
4	Outdoor Auto
5	ATW
6	Sodium Lamp Auto (SE600 only)
7	Sodium Lamp (SE600 only)

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM SONY RGain
CAM SONY BGain

Red/Blue gain of Sony Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM SONY AEMode

Auto Exposure mode of Sony Zoom Module applied camera

Type unsigned char

Values

0	Full Auto
1	Manual
2	Shutter Priority
3	Iris Priority
4	Brightness

Comment

4 Config Set are supported

Applied Model
Side Effect

CAM SONY DSSMode

DSS mode of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Auto

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM SONY DSSLimit

DSS Limit of Sony Zoom Module applied camera

Type unsigned char

Values

0	1/30
1	1/15
2	1/8
3	1/4
4	1/2
5	1/1

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM SONY DN

Day&Night mode of Sony Zoom Module applied camera

Type unsigned char

Values

0	Day (Color)
1	Night (B/W)
2	Auto
3	<i>External Sensor</i>

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM SONY DN Threshold

Night to Day transition threshold of Sony Zoom Module applied camera

Type unsigned char

Values

Group1 : 0 ~ 255*

Group2 : 0 ~ 30*

Group3 : 0 ~ 16*

Group4 : 0 ~ 28*

Comment

4 Config Set are supported

Group1 : P4, P5 Model

Group2 : SE600 Module(except Group1)

Group3 : EV7500 or EV7300 or EV7310 or EV7520 or EV7320 or EV7517 or EV7317 Module(except Group1)

Group4 : etc

Applied Model

Side Effect

CAM SONY ND Threshold

Day to Night transition threshold of Sony Zoom Module applied camera

Type unsigned char

Values

Group1 : 0 ~ 255*

Group2 : 0 ~ 30*

Group3 : 0 ~ 16*

Group4 : 0 ~ 28*

Comment

4 Config Set are supported

Group1 : P4, P5 Model

Group2 : SE600 Module(except Group1)

Group3 : EV7500 or EV7300 or EV7310 or EV7520 or EV7320 or EV7517 or EV7317 Module(except Group1)

Group4 : etc

Applied Model

Side Effect

CAM SONY FLIP

Image Flip of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM SONY DZ

Digital Zoom of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM SONY WDR

WDR of Sony Zoom Module applied camera

Type unsigned char

Values

	<i>Group1*</i>	<i>Group2*</i>
0	Off	Off
1	VE On	On

Comment

4 Config Set are supported

Group1 : EV7310 or EV7517 or EV7317

Group2 : etc.

Applied Model

Side Effect

CAM SONY BLC

Back Light Compensation of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM SONY Brightness

Brightness of Sony Zoom Module applied camera

Type unsigned char

Values

0 ~ 31

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM SONY Iris

Iris of Sony Zoom Module applied camera

Type unsigned char

Values

	<i>Group1*</i>	<i>Group2*</i>
0	CLOSE	CLOSE
1	F19	-
2	F16	-
3	F14	-
4	F11	-

5	F9.6	F14
6	F8.0	F11
7	F6.8	F9.6
8	F5.6	F8.0
9	F4.8	F6.8
10	F4.0	F5.6
11	F3.4	F4.8
12	F2.8	F4.0
13	F2.4	F3.4
14	F2.0	F2.8
15	F1.6	F2.4
16	F1.4	F2.0
17	F1.2	F1.6

Comment

4 Config Set are supported

Group1 : SE600 Module

Group2 : etc.

Applied Model
Side Effect
CAM SONY Shutter

Shutter of Sony Zoom Module applied camera

Type unsigned char

Values

	<i>Group1*</i>	<i>Group2*</i>
0	1/2	1/2
1	1/4	1/4
2	1/8	1/8
3	1/15	1/15
4	1/30	1/25
5	1/60	1/50
6	1/90	1/75
7	1/100	1/100
8	1/125	1/120
9	1/180	1/150

10	1/250	1/215
11	1/350	1/300
12	1/500	1/425
13	1/725	1/600
14	1/1000	1/1000
15	1/1500	1/1250
16	1/2000	1/1750
17	1/3000	1/2500
18	1/4000	1/3500
19	1/6000	1/6000
20	1/10000	1/10000

Comment

4 Config Set are supported

Group1 : NTSC

Group2 : PAL

Applied Model
Side Effect
CAM SONY Gain

Gain of Sony Zoom Module applied camera

Type unsigned char

Values

	<i>Group1*</i>	<i>Group2*</i>	<i>Group3*</i>	<i>Group4*</i>
0	-3 dB	-	-	-
1	0 dB	0 dB	0 dB	0 dB
2	3 dB	3.5 dB	3.4 dB	2 dB
3	6 dB	7 dB	6.8 dB	4 dB
4	9 dB	10.5 dB	10.2 dB	6 dB
5	12 dB	14 dB	13.7 dB	8 dB
6	15 dB	17.4 dB	17.1 dB	10 dB
7	18 dB	20.9 dB	20.5 dB	12 dB
8	-	24.4 dB	23.9 dB	14 dB
9	-	27.9 dB	27.3 dB	16 dB
10	-	31.4 dB	30.7 dB	18 dB
11	-	34.9 dB	34.1 dB	20 dB

12	-	38.4 dB	37.5 dB	22 dB
13	-	41.9 dB	41 dB	24 dB
14	-	45.3 dB	44.4 dB	26 dB
15	-	48.8 dB	47.8 dB	28 dB

Comment

4 Config Set are supported

Group1 : X10S

Group2 : EV7300

Group3 : EV7310 or EV7520 or EV7320 or EV7517 or EV7317

Group4 : etc.

Applied Model

Side Effect

CAM SONY APT LEVEL

Aperture Level of Sony Zoom Module applied camera

Type unsigned char

Values

Group1* : 0 ~ 15

Group2* : 0 ~ 255

Comment

4 Config Set are supported

Group1 : EH6300(Old Version) Module

Group2 : etc.

Applied Model

Side Effect

CAM SONY MIRROR

Mirror of Sony Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM SONY NR

Noise Reduction of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1 ~ 5	Level1 ~ Level5

Comment

4 Config Set are supported

Applied Model

Except EV7520, EV7320, EV7517 and EV7317

Side Effect
CAM SONY MinFocusLength

Min Focus Length of Sony Zoom Module applied camera

Type unsigned char

Values

	<i>Group1*</i>	<i>Group2*</i>	<i>Group3*</i>
0	1cm	1cm	1cm
1	8cm	11cm	5cm
2	30cm	30cm	10cm
3	1m	0.8m	30cm
4	1.23m	1.2m	1m
5	1.5m	1.4m	1.2m
6	1.85m	1.65m	1.5m
7	2.3m	2.0m	2m
8	2.9m	2.5m	3m
9	3.7m	3.1m	5m
10	4.9m	4.2m	10m
11	7m	6m	
12	11m	10m	
13	25m	20m	

Comment

4 Config Set are supported

Applied Model

EH6300, EH6500, EV7500, EV7300, EV7310, EV7520, EV7320,
 EV7517, EV7317, EH3300, EH3400, EH3150

Group 1 : *EH6300 or EH6500 or EV7300 or EV7310 or EV7520 or EV7320 or EV7517 or EV7317*

Group 2 : EV7500

Group 3 : EH3300 or EH3400 or EH3150

Side Effect
CAM SONY IS

Image Stabilizer of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

EH3400, EH6500, EV7500, EV7300

Side Effect
CAM SONY GammaMode

Gamma Mode of Sony Zoom Module applied camera

Type unsigned char

Values

0	Standard
1	Straight
2	Low
3	Middle
4	High
5	Normal
6	256 steps

Comment

4 Config Set are supported

Applied Model
Side Effect

CAM SONY GammaOffset

Gamma Offset of Sony Zoom Module applied camera

Type unsigned char

Values

-16 ~ 64

Comment**Applied Model**

EV7500, EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect**CAM SONY Gamma256stepsPlus****CAM SONY Gamma256stepsMinus**

Gamma 256 steps Plus/Minus of Sony Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM SONY AFSensitivity**

Auto Focus Sensitivity of Sony Zoom Module applied camera

Type unsigned char

Values

0	Normal
1	Low

Comment**Applied Model****Side Effect****CAM SONY DefogMode**

Defog Mode of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Low
2	Middle
3	High

Comment

Applied Model

EV7500, EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect

CAM SONY ColorGain

Color Gain of Sony Zoom Module applied camera

Type unsigned char

Values

Group 1*	0 ~ 14
Group 2*	0 ~ 255

Comment

Applied Model

Group 1 : EH6300
 Group 2 : except EH6300(Old Version)

Side Effect

CAM SONY ColorHue

Color Hue of Sony Zoom Module applied camera

Type unsigned char

Values

EH6300 Old Version	
Group 1*	0 ~ 14
Group 2*	0 ~ 255

Comment

Applied Model

Group 1 : EH6300
 Group 2 : except EH6300(Old Version)

Side Effect

CAM SONY HighSensitivity

High Sensitivity of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

Applied Model

EV7500, EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect

CAM SONY MinimumShutterMode

Minimum Shutter Mode of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

Applied Model

EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect

CAM SONY MinimumShutterLimit

Minimum Shutter Limit of Sony Zoom Module applied camera

Type unsigned char

Values

	Group 1*	Group 2*
5	1/25	1/30
6	1/50	1/60
7	1/75	1/90
8	1/100	1/100
9	1/120	1/125
10	1/150	1/180
11	1/215	1/250
12	1/300	1/350
13	1/425	1/500
14	1/600	1/725
15	1/1000	1/1000

16	1/1250	1/1500
17	1/1750	1/2000
18	1/2500	1/3000
19	1/3500	1/4000
20	1/6000	1/6000
21	1/10000	1/10000

Comment
Applied Model

EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Group1 : PAL

Group2 : NTSC

Side Effect
CAM SONY HighlightCorrectionMode

High Light Correction Mode of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Low
2	Middle
3	High

Comment
Applied Model

EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect
CAM SONY HighlightCorrectionMaskLevel

High Light Correction Mask Level of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1 ~ 15	Level 1 ~ Level 15

Comment
Applied Model

EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect**CAM SONY ExposureCompensationMode**

Exposure Compensation Mode of Sony Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment**Applied Model****Side Effect****CAM SONY ExposureCompensationLevel**

Exposure Compensation Level of Sony Zoom Module applied camera

Type unsigned char**Values**

0 ~ 255

Comment**Applied Model****Side Effect****CAM SONY 2DNR**

2D Noise Reduction of Sony Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 ~ 5 1 ~ 5

Comment**Applied Model**

Except EV7520, EV7320, EV7517, EV7317

Side Effect**CAM SONY 3DNR**

3D Noise Reduction of Sony Zoom Module applied camera

Type unsigned char**Values**

0	Off
1 ~ 5	1 ~ 5

Comment

Applied Model

Except EV7520, EV7320, EV7517, EV7317

Side Effect

CAM SONY ChromaSuppress

Chroma Suppress of Sony Zoom Module applied camera

Type unsigned char

Values

0	Off
1 ~ 3	Level 1 ~ 3

Comment

Applied Model

Side Effect

CAM SONY WDRDisplayBrightness

WDR Display Brightness of Sony Zoom Module applied camera

Type unsigned char

Values

0	Dark
1 ~ 5	1 ~ 5
6	Bright

Comment

Applied Model

EV7500, EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect

CAM SONY WDRBrightnessCompSel

WDR Brightness Comp Sel of Sony Zoom Module applied camera

Type unsigned char

Values

0	Very Dark
1	Dark
2	Standard

3 Bright

Comment

Applied Model

EV7500, EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect

CAM SONY WDRCompLevel

WDR Comp Level of Sony Zoom Module applied camera

Type unsigned char

Values

0	Low
1	Middle
2	High

Comment

Applied Model

EV7500, EV7300, EV7310, EV7520, EV7320, EV7517, EV7317

Side Effect

CAM SONY FocusOffset

Focus Offset of Sony Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

Applied Model

Side Effect

CAM SONY ZoomLimit

Zoom Limit of Sony Zoom Module applied camera

Type unsigned char

Values

	Group 1*	Group 2*	Group 3*	Group 4*	Group 5*
0	x30.0	x20.0	x28.0	x20.0	x12.0
1	x25.5	x15.8	x22.8	x17.3	x10.5
2	x22.7	x13.6	x19.8	x15.4	x9.3
3	x20.7	x11.9	x17.6	x14.0	x8.3

4	x19.1	x10.6	x15.9	x12.7	x7.5
5	x17.8	x9.5	x14.4	x11.6	x6.7
6	x16.7	x8.6	x13.1	x10.6	x6.0
7	x15.7	x7.8	x11.9	x9.7	x5.4
8	x14.8	x7.0	x10.8	x8.9	x4.9
9	x14.0	x6.4	x9.8	x8.1	x4.5
10	x13.2	x5.8	x8.9	x7.4	x4.0
11	x12.5	x5.3	x8.1	x6.8	x3.7
12	x11.8	x4.9	x7.4	x6.2	x3.4
13	x11.2	x4.5	x6.8	x5.7	x3.1
14	x10.6	x4.1	x6.2	x5.3	x2.8
15	x10.0	x3.8	x5.7	x4.9	x2.6
16	x9.5	x3.5	x5.3	x4.5	x2.4

Comment
Applied Model

Group 1 : EV7500 or EV7520 or EV7517 or EH6500

Group 2 : EH6300 or EV7300 or EV7310 or EV7320 or EV7317

Group 3 : EH3400

Group 4 : EH3300

Group 5 : EH3150

Side Effect
CAM HITACHI WBMode

White Balance Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Auto Normal
1	Manual
2	Auto Sodium
3	Auto Mercury

Comment

4 Config Set are supported

Applied Model
Side Effect

CAM HITACHI RGain

CAM HITACHI BGain

Red/Blue gain of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI AEMode

Auto Exposure Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Program AE
1	Program AER1 [IR Remove-1]
2	Program AER2 [IR Remove-2]
3	Program AE+ (DSS)
4	Program AER+1 (DSS) [IR Remove-1]
5	Program AER+2 (DSS) [IR Remove-2]
6	Program AER+3 (DSS) [IR Remove-3]
7	Shutter Priority
8	Exposure Priority
9	AGC priority

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI DSSLimit

DSS Limit of Hitachi Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>	<i>Group 3*</i>	<i>Group 4*</i>
0	1/25	1/30	-	-

1	1/15	1/15	1/25	1/30
2	1/8	1/8	1/12	1/15
3	1/4	1/4	1/6	1/8
4	-	-	1/3	1/4
5	-	-	1/1.5	1/2

Comment

4 Config Set are supported

Group 1 : SC120 + PAL

Group 2 : SC120 + NTSC

Group 3 : SC221 + PAL

Group 4 : SC221 + NTSC

Applied Model
Side Effect
CAM HITACHI ICR

ICR of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM HITACHI FLIP

Image Flip of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Reverse
2	Mirror
3	V Invert

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI WDR**

WDR of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI BLCMode**

BLC Mode of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI BLC LEVEL**

BLC Level of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 255

Comment

4 Config Set are supported

Applied Model**Side Effect**

CAM HITACHI Exposure

Exposure of Hitachi Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>
0	F1.6	F1.6
1	F2.2	F2.2
2	F3.2	F3.2
3	F4.4	F4.5
4	F6.4	F6.4
5	F8.8	F9.0
6	F12	F12.8
7	F17	F18.1
8	F24	F25.6
9	F34	F36.2

Comment

4 Config Set are supported

Group 1 : SC120

Group 2 : SC221

Applied Model

Side Effect

CAM HITACHI Shutter

Shutter speed of Hitachi Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>	<i>Group 3*</i>
0	1/4	1/1.5	1/2
1	1/8	1/3	1/4
2	1/15	1/6	1/8
3	1/30	1/12	1/15
4	1/50	1/25	1/30
5	1/60	1/50	1/60
6	1/100	1/100	1/100
7	1/120	1/120	1/120

8	1/180	1/150	1/180
9	1/250	1/250	1/250
10	1/500	1/500	1/500
11	1/1000	1/1000	1/1000
12	1/2000	1/2000	1/2000
13	1/4000	1/4000	1/4000
14	1/10000	1/10000	1/10000
15	-	1/30000	1/30000
255	-	1/0.75	1/1

Comment

4 Config Set are supported

Group 1 : SC120

Group 2 : SC221 + PAL

Group 3 : SC221 + NTSC

Applied Model

Side Effect

CAM HITACHI AGC

AGC of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	0 dB
1	6 dB
2	12 dB
3	18 dB
4	24 dB
5	30 dB

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI AFTType

Auto Focus Type of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Type A
2	Type A&B
3	Type C

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI MinFocusLength

Minimum Focus Length of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	1 cm
1	10 cm
2	30 cm
3	100 cm
4	150 cm
5	300 cm

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI FNRMode

FNR Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI FNRValue

FNR Value of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0	Auto-Weak
1	Auto-Medium
2	Auto-Strong
3	Manual-Fix

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI FNRLevel**

FNR Level of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 15

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI YKnee**

YKnee of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 127

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI AFOnePushMode**

AF One Push Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI ICRColor

ICR Color of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	B/W
1	Color

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI IRCurve

IR Curve of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Visible
1	950 nm
2	850 nm

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI ICRThres

ICR Threshold of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 152

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI WDRAuto**

WDR Auto of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Auto
1	Manual

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI WDRAutoMode**

WDR Auto Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	WDR(offset)
1	ADWDR(offset)
2	Offset

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI RatioLevel**

Ratio Level of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 128

Comment

4 Config Set are supported

Applied Model

Side Effect**CAM HITACHI HiSpeedShutterSpeed**

Hi Speed Shutter Speed of Hitachi Zoom Module applied camera

Type unsigned char**Values***0 ~ 134***Comment**

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI IrisLevelOffsetData**

Iris Level Offset Data of Hitachi Zoom Module applied camera

Type unsigned char**Values***0 ~ 102***Comment**

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI DZ**

Digital Zoom of Hitachi Zoom Module applied camera

Type unsigned char**Values***0 Off**1 On***Comment****Applied Model**

4 Config Set are supported

*HITACHI_SC221 only***Side Effect****CAM HITACHI EIS EN**

EIS of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

Applied Model

4 Config Set are supported

HITACHI_SC120 only

Side Effect

CAM HITACHI EIS_FREQ

EIS Frequency of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 10Hz

1 5Hz

Comment

Applied Model

4 Config Set are supported

HITACHI_SC120 only

Side Effect

CAM HITACHI DFOG_MODE

Defog Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 Off

1 ~ 3 Mode 1 ~ Mode 3

Comment

Applied Model

4 Config Set are supported

HITACHI_SC120, HITACHI_SC221

Side Effect

CAM HITACHI DFOG_LEVEL

Defog Level of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 128

Comment

Applied Model

4 Config Set are supported

HITACHI_SC120, HITACHI_SC221

Side Effect

CAM HITACHI EnhancedIntensityMode

Enhanced Intensity Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

Applied Model

4 Config Set are supported

HITACHI_SC221 only

Side Effect

CAM HITACHI EnhancedIntensityLevel

Enhanced Intensity Level of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

Applied Model

4 Config Set are supported

HITACHI_SC221 only

Side Effect

CAM HITACHI Pedestal0

AGC(~ AGC ON) of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 128

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI Pedestal1**

AGC(AGC ON ~ 1/3MaxAGC) of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 128

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI Pedestal2**

AGC(1/3MaxAGC ~ 2/3MaxAGC) of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 128

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI Pedestal3**

AGC(2/3MaxAGC ~ MaxAGC) of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 128

Comment

4 Config Set are supported

Applied Model**Side Effect**

CAM HITACHI Pedestal4

AGC(MaxAGC ~) of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 128

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI ColorLevel0**

AGC(~ AGC ON) of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 255

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI ColorLevel1**

AGC(AGC ON ~ 1/3MaxAGC) of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 255

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI ColorLevel2**

AGC(1/3MaxAGC ~ 2/3MaxAGC) of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI ColorLevel3

AGC(2/3MaxAGC ~ MaxAGC) of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI ColorLevel4

AGC(MaxAGC ~) of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM HITACHI MaxAGCGain

Max AGC Gain of Hitachi Zoom Module applied camera

Type unsigned char

Values

Group 1* : 0 ~ 48

Group 2* : 0 ~ 35

Comment

4 Config Set are supported

Group 1 : SC221

Group 2 : SC120

Applied Model

Side Effect**CAM HITACHI ApertureMode**

Aperture Mode of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0	Auto
1	Manual

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI ApertureHorizontalLevel**

Aperture Horizontal Level of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 63

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI ApertureVerticalLevel**

Aperture Vertical Level of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 63

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM HITACHI ZoomSensUpMode**

Zoom SensUp Mode of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI ZoomSensUpIris**

Zoom SensUp Iris of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	Full Open
1	Stop Down To Level 1

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI ZoomSensUpAGC**

Zoom SensUp AGC of Hitachi Zoom Module applied camera

Type unsigned char

Values

0	32dB ~ Max
1	16dB ~ Max

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI AEControllrisoffset**

Auto Exposure Control Iris Offset of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI BlacklevelControlAGC0**

Black Level Control AGC0 of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 32

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI BlacklevelControlAGC1**

Black Level Control AGC1 of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 32

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI YgammaAGC0**

YgammaAGC0 of Hitachi Zoom Module applied camera

Type unsigned char**Values**

0 ~ 128

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI YgammaAGC1**

YgammaAGC1 of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 128

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI YgammaAGC2**

YgammaAGC2 of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 128

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect**CAM HITACHI YgammaAGC3**

YgammaAGC3 of Hitachi Zoom Module applied camera

Type unsigned char

Values

0 ~ 128

Comment

4 Config Set are supported

Applied Model

SC221 only

Side Effect

CAM P10 AGC

AGC of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Low
2	Middle
3	High
4	Manual

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 SHUTTER

Shutter Speed of Techwin Zoom Module applied camera

Type unsigned char

Values

0	ESC
1	Manual
2	Anti-Flicker

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 DN

Day&Night Mode of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Day (Color)
1	Night (B/W)
2	Auto
3	<i>External Sensor</i>

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 SSNR

SSNR of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Low
2	Middle
3	High

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 IRIS

IRIS of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Auto
1	Manual

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 DZ

Digital Zoom of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 WBMODE

White Balance Mode of Techwin Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>	<i>Group 3*</i>
0	ATW	ATW	ATW
1	Manual	Manual	Manual
2	AWC	AWC	AWC
3	Outdoor	Outdoor	Outdoor
4	Indoor	Indoor	Indoor
5	Auto Mercury	Auto Mercury	-
6	Auto Sodium	-	-

Comment

4 Config Set are supported

Group 1 : SCM6321

Group 2 : SCM6201

Group 3 : etc.

Applied Model

Side Effect

CAM P10 SUP

SensUp Mode of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Auto

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 BLC

BLC Mode of Techwin Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>
0	Off	Off
1	WDR	-
2	BLC	BLC
3	HSBLC	HSBLC

Comment

4 Config Set are supported

Group 1 : SCM5300 or SCM3XXX or SCM6201 or SCM6321

Group 2 : etc

Applied Model

Side Effect

CAM P10 DIS

Stabilizer Mode of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 FLIP

Flip of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM P10 BLL

BLC Mode of Techwin Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>
0	Low	Low
1	High	Middle
2	-	High

Comment

4 Config Set are supported

Group 1 : SCM3XXX

Group 2 : etc

Applied Model
Side Effect
CAM P10 HLL

HLC Level of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Low
1	Middle
2	High

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM P10 WDR LMT

WDR Limit of Techwin Zoom Module applied camera

Type unsigned char

Values

0	Low
---	-----

1 Middle
 2 High

Comment

Not used.

Applied Model

TCAM-370-X27/X33/X37,
 TCAM-570C-X1913T, TCAM-570H-X1913T, TCAM-570S-X1913T,

Side Effect

CAM P10 WB RED

CAM P10 WB BLUE

WB Red/Blue offset of Techwin Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 BRIGHTNESS

Brightness of Techwin Zoom Module applied camera

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 SENS UP LMT

SensUp Limit of Techwin Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>	<i>Group 3*</i>
0	x2	x2	x2

1	x4	x4	x4
2	x6	x6	x6
3	x8	x8	x8
4	x10	x10	x10
5	x12	x12	x12
6	x14	x14	x14
7	x16	x16	x16
8	x20	x24	x20
9	x24	x32	x24
10	x32	x64	x30
11	x40	x128	-
12	x48	x256	-
13	x60	x512	-

Comment

4 Config Set are supported

Group 1 : SCM6200 or SCM6201 or SCM6321

Group 2 : SCM3XXX

Group 3 : etc.

Applied Model
Side Effect
CAM P10 MAN IRIS

Manual Iris of Techwin Zoom Module applied camera

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>	<i>Group 3*</i>
0	F1.6	F1.35	F1.6
1	F2	F1.4	F2
2	F2.4	F1.6	F2.4
3	F2.8	F2	F2.8
4	F3.4	F2.4	F3.4
5	F4	F2.8	F4
6	F4.8	F3.4	F4.8
7	F5.6	F4	F5.6
8	Close	F4.8	F6.8

9	-	F5.6	F8
10	-	F6.8	F9.6
11	-	F8	F11
12	-	F9.6	F14
13	-	F11	F16
14	-	F14	F19
15	-	F16	F22
16	-	F19	F28
17	-	F22	Close
18	-	F28	-
19	-	Close	-

Comment

4 Config Set are supported

Group 1 : SCM6201 or SCM6321

Group 2 : SCM5300

Group 3 : etc.

Applied Model

Side Effect

CAM P10 MAN SHUTTER

Manual Shutter of Techwin Zoom Module applied camera

Type unsigned char

Values

1/25(1/30) means PAL:1/25, NTSC:1/30

	Group 1*	Group 2*	Group 3*
0	x60	x512	x30
1	x48	x256	x24
2	x40	x128	x20
3	x32	x64	x16
4	x24	x32	x14
5	x20	x24	x12
6	x16	x16	x10
7	x14	x14	x8
8	x12	x12	x6
9	x10	x10	x4

10	x8	x8	x2
11	x6	x6	<u>1/25(1/30)</u>
12	x4	x4	<u>1/50(1/60)</u>
13	x2	x2	1/100
14	<u>1/25(1/30)</u>	<u>1/50(1/60)</u>	1/150
15	1/50	<u>1/100(1/120)</u>	1/200
16	1/60	1/250	1/250
17	1/100	1/500	1/300
18	1/120	1/700	1/400
19	1/150	1/1000	1/500
20	1/180	1/1600	1/600
21	1/200	1/2500	1/700
22	1/240	1/5000	1/1000
23	1/250	1/7000	1/1500
24	1/300	1/10000	1/2500
25	1/360	1/30000	1/5000
26	1/480	1/60000	1/10000
27	1/500	1/120000	1/11000
28	1/600	-	1/16000
29	1/700	-	1/33000
30	1/1000	-	-
31	1/1500	-	-
32	1/2500	-	-
33	1/5000	-	-
34	1/10000	-	-
35	1/11000	-	-
36	1/16000	-	-
37	1/33000	-	-

Comment

4 Config Set are supported

Group 1 : SCM6200 or SCM6321

Group 2 : SCM3XXX

Group 3 : etc.

Applied Model

Side Effect

CAM P10 SHARPNESS

Sharpness of Techwin Zoom Module applied camera

Type unsigned char

Values

0 ~ 31

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 MAN GAIN

Manual Gain of Techwin Zoom Module applied camera

Type unsigned char

Values

Group 1* 0 ~ 36

Group 2* 0 ~ 42

Comment

4 Config Set are supported

Group 1 :SCM6200

Group 2 : etc.

Applied Model

Side Effect

CAM P10 WDR LEVEL

WDR Level of Techwin Zoom Module applied camera

Type unsigned char

Values

0 Low

1 Middle

2 High

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 HLC COLOR

HLC Color of Techwin Zoom Module applied camera

Type unsigned char**Values***0 ~ 15***Comment**

4 Config Set are supported

Applied Model**Side Effect****CAM P10 SDR MODE**

SSDR Mode of Techwin Zoom Module applied camera

Type unsigned char**Values***0 Off**1 On***Comment**

4 Config Set are supported

Applied Model**Side Effect****CAM P10 SDR LEVEL**

SSDR Level of Techwin Zoom Module applied camera

Type unsigned char**Values***0 ~ 15***Comment**

4 Config Set are supported

Applied Model**Side Effect****CAM P10 DNthreshold**

Day to Night threshold of Techwin Zoom Module applied camera

Type unsigned char**Values**

*Group 1** 0 ~ 255

*Group 2** 0 ~ 3

Comment

4 Config Set are supported

Group 1 : P4, P5 Model

Group 2 : etc

Applied Model

Side Effect

CAM P10 NDthreshold

Night to Day threshold of Techwin Zoom Module applied camera

Type unsigned char

Values

*Group 1** 0 ~ 255

*Group 2** 0 ~ 3

Comment

4 Config Set are supported

Group 1 : P4, P5 Model

Group 2 : etc

Applied Model

Side Effect

CAM P10 DefogMode

Defog Mode of Techwin Zoom Module applied camera

Type unsigned char

Values

0 *Off*

1 *Manual*

2 *Auto*

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM P10 DefogLevel

Defog Level of Techwin Zoom Module applied camera

Type unsigned char**Values**

1 ~ 10

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM P10 FRZONMOVE**

Freeze on Move of Speed Dome Camera

Type unsigned char**Values**

0 Off

1 On

Comment**Applied Model**

PTZ Model Only

Side Effect**CAM P10 ZOOMPROPORT**

Zoom Proportional Jog of Speed Dome Camera

Type unsigned char**Values**

0 Off

1 On

Comment**Applied Model**

PTZ Model Only

Side Effect**CAM P10 AUTOFLIP**

Auto Flip of Speed Dome Camera

Type unsigned char

Values

0	Off
1	On

Comment

Applied Model

PTZ Model Only

Side Effect

CAM P10 MAXJOGSPEED

Max Jog Speed of Speed Dome Camera

Type unsigned char

Values

0	30 degree/sec
1	60 degree/sec
2	90 degree/sec
3	120 degree/sec
4	180 degree/sec
5	270 degree/sec
6	360 degree/sec
7	Unlimited

Comment

Applied Model

PTZ Model Only

Side Effect

CAM P10 MAXZOOMSPEED

Max Zoom Speed of Speed Dome Camera

Type unsigned char

Values

0 ~ 7	step 1 ~ 8
-------	------------

Comment

Applied Model

Side Effect

CAM P10 DISPLAYPTZACTION

Display PTZ Action of Speed Dome Camera

Type unsigned char

Values

0	Off
1	Auto
2	On

Comment

Applied Model

Side Effect

CAM P10 MAXPOSITIONMOVESPEED

Set Max Position Move Speed.

Type unsigned char

Values

1 ~ 255

Comment

Applied Model

PTZ Model Only

Side Effect

CAM NXP FLIP HORIZON

Set Flip Horizontal.

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP FLIP VERTICAL

Set Flip Vertical.

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP TDN MODE

Set Day&Night Mode.

Type unsigned char

Values

0	Auto
2	Day
3	Night
4	CDS(IR Only)

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP TDN IR CONTROL

Set IR Led Control.

Type unsigned char

Values

0	Auto
1	On
2	Off

Comment

4 Config Set are supported

NXP ISP MODULE and IR only

Applied Model

Side Effect**CAM NXP TDN DAY TH**

Set TDN Night to Day Threshold.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model**Side Effect****CAM NXP TDN NIGHT TH**

Set TDN Day to Night Threshold.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model**Side Effect****CAM NXP IRIS MODE**

Set IRIS Mode.

Type unsigned char

Values

0 Auto

1 Manual

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model
Side Effect
CAM NXP IRIS VALUE

Set IRIS Active time.

Type unsigned char

Values

1	1
2	2
4	4
8	8
16	16
32	32

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model
Side Effect
CAM NXP DSS VALUE NIGHT

Set Shutter Range(Night)

Type unsigned char

Values

0 ~ 32

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model
Side Effect
CAM NXP DSS VALUE DAY

Set Shutter Range(Day)

Type unsigned char

Values

0 ~ 32

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP AE MODE

Set Auto Exposure Mode.

Type unsigned char

Values

0	Off
1	BLC
2	WDR

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP AE MAX

Set Auto Exposure Max gain.

Type unsigned char

Values

1 ~ 255

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP GAMMA INDEX

Set Auto Exposure Max gain.

Type unsigned char

Values

0 ~ 7

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP AE OPTION

Set Extra Night Gain.

Type unsigned char

Values

0	1.0
1	2.0
2	3.0
3	1.3
4	1.5

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect

CAM NXP AE TARGET

Set Exposure Target.

Type unsigned char

Values

10 ~ 100

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model

Side Effect**CAM NXP CDS DAY TH**

Set CDS Night -> Day Threshold.

Type unsigned char

Values

4 Config Set are supported

3 ~ 30

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model**Side Effect****CAM NXP CDS NIGHT TH**

Set CDS Day -> Night Threshold.

Type unsigned char

Values

3 ~ 30

Comment

4 Config Set are supported

NXP ISP MODULE

Applied Model**Side Effect****CAM NXP CURRENT Y**

Read Current Y Value and CDS Value..

Type

Values**Comment**

NXP ISP MODULE

Applied Model**Side Effect**

String for HTTP API

Read : CAM_NXP_CURRENT_Y=Current Value 0 CDS Value 3

CAM WONWOO WBMode

White Balance Mode of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0	Auto
1	Manual
2	Indoor
3	Outdoor
4	One Push AWB

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO RGain**

Red Gain of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 ~ 20

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO BGain**

Blue Gain of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 ~ 20

Comment

4 Config Set are supported

Applied Model**Side Effect**

CAM WONWOO AEMode

Auto Exposure Mode of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Auto
1	Manual
2	Shutter
3	Iris
4	Bright

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO DSSMode**

Auto Digital Shutter Speed Mode of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO DN**

Day&Night Mode of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Day
1	Night
2	Auto

Comment

4 Config Set are supported

Applied Model

Side Effect**CAM WONWOO FLIP**

Flip Mode of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO DZ**

Digital Zoom of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO WDR**

WDR of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect**

CAM WONWOO WDRLevel

WDR Level of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 ~ 4 Level 0 ~ Level 4

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO BLC**

BLC of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO Brightness**

Brightness of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0, 5 ~ 27

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO Iris**

Iris of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0, 5 ~ 17

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO Shutter

Shutter of Wonwoo Zoom Module applied camera

Type unsigned char

Values

1/25(1/30) means PAL:1/25, NTSC:1/30

	Group 1*	Group 2*	Group 3*
0	1/1	1/6(1/8)	1/6(1/7)
1	1/2	1/12(1/15)	1/8(1/10)
2	1/3(1/4)	1/25(1/30)	1/12(1/15)
3	1/6(1/8)	1/50(1/60)	1/25(1/30)
4	1/12(1/15)	1/100(1/120)	1/50(1/60)
5	1/25(1/30)	1/250	1/100(1/120)
6	1/50(1/60)	1/700	1/240
7	1/100(1/120)	1/1000	1/500
8	1/250	1/1600	1/1000
9	1/700	1/2500	1/2000
10	1/1000	1/5000	1/4000
11	1/1600	1/7000	1/8000
12	1/2500	1/10000	1/16000
13	1/5000	1/30000	1/30000
14	1/7000	-	1/60000
15	1/10000	-	-
16	1/30000	-	-

Comment

4 Config Set are supported

Group 1 : MCS128 or MCS308

Group 2 : MM208 or MM308

Group 3 : etc.

Applied Model
Side Effect

CAM WONWOO Gain

Gain of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 ~ 10

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO APT LEVEL**

APT Level of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 ~ 10

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO DefogMode**

Defog Mode of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO DefogLevel**

Defog Level of Wonwoo Zoom Module applied camera

Type unsigned char**Values**

	Group 1*	Group 2*
0	Level-0	Level-0
1	Level-1	Level-1
2	Level-2	Level-2
3	Auto	Level-3
4	-	Level-4
5	-	Level-5
6	-	Level-6
7	-	Level-7
8	-	Level-8
9	-	Level-9
10	-	Level-10

Comment

4 Config Set are supported

Group 1 : MM302 or MCS128 or MCS308 or MM208 or MM308

Group 2 : etc.

Applied Model
Side Effect
CAM WONWOO FIK

Flickerless of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO NR

Noise Reduction of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0 Off

1	Level-1
2	Level-2
3	Level-3
4	Auto

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO ACE

ACE of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Level-1
2	Level-2

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO AGC

AGC of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO ExpComp

Exposure Comp of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO ExpCompLevel

Exposure Comp Level of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0 ~ 20

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO DN Threshold

Day to Night Threshold of Wonwoo Zoom Module applied camera

Type unsigned char

Values

Group 1* 0 ~ 255

Group 2* 10 ~ 28

Comment

4 Config Set are supported

Group1 : P4, P5 Model

Group2 : Except Group1

Applied Model
Side Effect
CAM WONWOO ND Threshold

Night to Day Threshold of Wonwoo Zoom Module applied camera

Type unsigned char

Values

Group 1* 0 ~ 255

Group 2* 10 ~ 28

Comment

4 Config Set are supported

Group1 : P4, P5 Model

Group2 : Except Group1

Applied Model

Side Effect

CAM WONWOO DNDELAY

Day&Night Transition Delay of Wonwoo Zoom Module applied camera

Type unsigned char

Values

1, 3, 5, 10, 15 second

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO MaxSSLevel

Max DSS Limit of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	x2
1	x4
2	x8
3	x16
4	x32
5	x64

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO FocusNearLimit

Focus Near Limit of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	10cm
1	1m
2	3m
3	6m
4	10m

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO IRDetection

IR Detection of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

Not Used.

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO IRDetectionLevel

IR Detection Level of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0 ~ 4

Comment

Not Used.

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO ImageRangeMode

Image Range Mode of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Full Mode
1	Comp Mode
2	User Mode

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO ImageRangeCustomLevel

Image Range Custom Level of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0 ~ 32

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO AGCGain

AGC Gain of Wonwoo Zoom Module applied camera

Type unsigned char

Values

	Group 1*	Group 2*
0	Off	Off
1	Low	Middle1
2	Middle	Middle2
3	High	High
4	-	Low1
5	-	Low2

Comment

4 Config Set are supported

Group 1 : MCS128 or MCS308

Group 2 : MM208 or MM308

Applied Model

Side Effect

CAM WONWOO DISMode

DIS Mode of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On
2	Hold

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO DISRange

DIS Range of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	10%
1	20%
2	30%

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM WONWOO DISFilter

DIS Filter of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Low
1	Middle
2	High

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO DISAutoCenter**

DIS AutoCenter of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	Half
2	Full

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO HLCMode**

HLC Mode of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On
2	Night Only

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM WONWOO HLCLevel**

HLC Level of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0 ~ 20

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM WONWOO HLCclipColor

HLC Clip Color of Wonwoo Zoom Module applied camera

Type unsigned char

Values

0	Black
1	Gray1
2	Gray2
3	Gray3
4	Gray4
5	Gray5
6	Gray6
7	White
8	Red
9	Green
10	Blue
11	Cyan
12	Yellow
13	Magenta

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM NEXT Lens Mode

Set Lens Mode.

Type unsigned char

Values

	Group 1*	Group 2*	Group 3*
0	DC	-	-
1	-	-	-
2	Manual	Manual	-
3	-	P-Iris	-

Comment

4 Config Set are supported

Group 1 : Default

Group 2 : P – IRIS

Group 3 : 3x Zoom, Smart IR

Applied Model

Eagle ISP

Side Effect

CAM NEXT DC Lens Mode

Set DC Lens Mode.

Type unsigned char

Values

0	Indoor
1	Outdoor

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT Shutter

Set Shutter.

Type unsigned char

Values

	Dependent on "BackLight Mode"	
	WDR	Else(Off, BLC, HSBLC)
0	Auto	Auto
1	1/60	1/60
2	Flickerless	Flickerless
3	1/240	1/240
4	1/480	1/480
5	1/1000	1/1000
6	1/2000	1/2000
7	1/5000	1/5000
8	1/10000	1/10000

9	1/50000	1/15000
10	-	x2
11	-	x4
12	-	x6
13	-	x8
14	-	x10
15	-	x15
16	-	x20
17	-	x25
18	-	x30

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT AGC

Set AGC.

Type unsigned char

Values

0	AGC Off
1	17 Limit
2	34 Limit
3	51 Limit
4	68 Limit
5	85Limit
6	102 Limit
7	119 Limit
8	136 Limit
9	153 Limit
10	170 Limit
11	187 Limit
12	204 Limit
13	221 Limit
14	238 Limit
15	255 Limit

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT SensUp Mode**

Set SensUp Mode.

Type unsigned char

Values

0	Off
1	Auto

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT SensUp Limit**

Set SensUp Limit.

Type unsigned char

Values

0	x2
1	x4
2	x6
3	x8
4	x10
5	x15
6	x20
7	x25
8	x30

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT Brightness

Set Brightness.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT Defog Mode**

Set Defog Mode.

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT Defog Gradation**

Set Defog Gradation.

Type unsigned char

Values

0 Off

1 Low

2 Middle

3 High

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT BackLight Mode**

Set BackLight Mode.

Type unsigned char**Values**

0	Off
1	WDR
2	BLC
3	HSBLC

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT WDR Gain**

Set WDR Gain.

Type unsigned char**Values**

0	Low
1	Middle
2	High

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT WDR Priority**

Set WDR Priority.

Type unsigned char**Values**

0 ~ 15

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT BLC Gain**

Set BLC Gain.

Type unsigned char**Values**

0	Low
1	Middle
2	Hight

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT HSBLC Mode**

Set HSBLC Mode.

Type unsigned char**Values**

0	All Day
1	Night Only

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT HSBLC Level**

Set HSBLC Level.

Type unsigned char**Values**

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT HSBLC Black Mask**

Set HSBLC Black Mask.

Type unsigned char**Values**

0 Off

1 On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT WB Mode**

Set White Balance Mode.

Type unsigned char**Values**

0 ATW

1 AWC

2 Indoor

3 Outdoor

4 Manual

5 AWB

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT WB RGain****CAM NEXT WB BGain**

Set WB Red / Blue Gain

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT DN Mode**

Set Day&Night Mode.

Type unsigned char**Values**

0	Auto
1	Day
2	Night
3	External Sensor

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT DN Delay**

Set Day&Night Delay.

Type unsigned char**Values**

0 ~ 60

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT AGC DN****CAM NEXT AGC ND**

DN : Set Auto AGC Day&Night Start Level

ND : Set Auto AGC Day&Night End Level

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT CDS DN

CAM NEXT CDS ND

DN : Set Auto CDS Day&Night Start Level

ND : Set Auto CDS Day&Night End Level

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT 2DNR Mode

CAM NEXT 3DNR Mode

Set 2D/3D Noise Reduction Mode.

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT 3DNR Level

Set 3D Noise Reduction Level.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT SmartNR Mode**

Set Smart Noise Reduction Level.

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT SmartNR Sensitivity**

Set Smart Noise Reduction Sensitivity.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT Mirror Mode**

Set Mirror Mode.

Type unsigned char

Values

- 0 Off
- 1 Horizontal
- 2 Vertical
- 3 Rotate

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT Dis Mode

Set Digital Image Stabilizer Mode.

Type unsigned char

Values

- 0 Off
- 1 On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT StaticDPC Mode

Set Static DPC Mode.

Type unsigned char

Values

- 0 Off
- 1 On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT LiveDPC Mode

Set Live DPC Mode.

Type unsigned char

Values

0	Off
1	On
2	Auto

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT Sharpness**

Set Sharpness.

Type unsigned char

Values

0 ~ 15

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT LSC Mode**

Set LSC Mode

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT DC Iris Max

Set Max DC Iris.

Type unsigned short

Values

0 ~ 4000

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT PlrisMode**

Set P-IRIS Mode.

Type unsigned char

Values

0 Manual

1 Auto

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT PlrisPosition**

Set P-IRIS Position.

Type unsigned char

Values

0 ~ 185

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT PlrisLimit**

Set P-IRIS Limit.

Type unsigned char

Values

0 ~ 185

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT AFAccumMode

Set AF Accumulation Mode

Type unsigned char

Values

0 Sum of Center Area

1 Sum of Total Area

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT AFMode

Set Auto Focus Mode

Type unsigned char

Values

0 Semi Auto

1 Full Auto

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect

CAM NEXT SmartIREnable

Enable Smart IR.

Type unsigned char

Values

0 Off
1 On

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT SmartIRLevel**

Set Smart IR Level.

Type unsigned char

Values

0 ~ 15

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT SmartIRPWMLevel**

Set Smart IR PWM Level.

Type unsigned char

Values

Dependent on SYS_POWER_DETECTION

0 or 1 : 0 ~ 100

Else : 0 ~ 50

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT Gamma**

Set Gamma.

Type unsigned char

Values

0	Auto
1	RGB Gamma
2	RGB Gamma + Y Gamma
3	0.45 Gamma
4	0.50 Gamma
5	0.55 Gamma
6	0.60 Gamma
7	0.65 Gamma
8	0.70 Gamma
9	0.75 Gamma
10	0.80 Gamma
11	0.85 Gamma
12	0.90 Gamma
13	0.95 Gamma
14	1.00 Gamma

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM NEXT GainMG****CAM NEXT GainR****CAM NEXT GainYE****CAM NEXT GainG****CAM NEXT GainCY****CAM NEXT GainB****CAM NEXT GainY**

Set Gain MG/R/YE/G/CY/B/Y.

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Eagle ISP

Side Effect**CAM SONYIS Lens Mode**

Set Lens Mode.

Type unsigned char**Values**

0	Manual
1	DC - IRIS

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS DC Lens Mode**

Set Lens Mode.

Type unsigned char**Values**

0	Auto
1	Open
2	Close
3	Hold

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS OpenVoltage****CAM SONYIS CloseVoltage**

Set Open/Close Voltage

Type unsigned char**Values**

0.0 ~ 5.0	Voltage
<u>(step 0.1)</u>	

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS Shutter

Set Shutter

Type unsigned char

Values

0	Auto
1	1/30
2	1/60
3	1/100
4	1/250
5	1/500
6	1/1000
7	1/2000
8	1/2500
9	1/5000
10	1/10000

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS AGC Limit

Set AGC Limit

Type unsigned char

Values

0	1
1	2
2	3
3	4
4	5

5	6
6	7
7	8
8	9
9	10

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect
CAM SONYIS SensUp Mode

Set SensUp Mode.

Type unsigned char

Values

0	Off
1	Auto

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect
CAM SONYIS SensUp Limit

Set SensUp Limit.

Type unsigned char

Values

0	x2
1	x3
2	x4
3	x5
4	x6

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS Flickerless**

Set Flickerless.

Type unsigned char**Values**

0	Off
1	Auto
2	50Hz Fixed
3	60Hz Fixed

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS AE Hold**

Set Auto Exposure Hold.

Type unsigned char**Values**

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS WDR**

Set WRD.

Type unsigned char**Values**

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS WB Mode**

Set White Balance Mode.

Type unsigned char**Values**

0	ATW
1	AWB Hold
2	Temperature Track
3	Full Open

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS ATW Mode**

Set Auto White Balance Mode.

Type unsigned char**Values**

0	Indoor
1	Outdoor

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect**CAM SONYIS AWB ROffset****CAM SONYIS AWB BOffset**

Set Auto White Balance Red/Blue Offset.

Type unsigned char**Values**

0 ~ 255

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect
CAM SONYIS ColorTemperature

Set Color temperature.

Type unsigned char

Values

0 ~ 63

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect
CAM SONYIS DN Mode

Set Day&Night Mode.

Type unsigned char

Values

Dependent on CAM_SONYIS_IR_EXIST(1 or Else)

1	Else
0	Auto+CDS
1	Day
2	Night
3	CDS

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect
CAM SONYIS DN AGC DN
CAM SONYIS DN AGC ND

Set Day to Night Threshold(AGC).

Set Night to Day Threshold(AGC).

Type unsigned char

Values

0 ~ 40

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS DN CDS DN

CAM SONYIS DN CDS ND

Set Day to Night Threshold(CDS).

Set Night to Day Threshold(CDS).

Type unsigned char

Values

0~30

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS DN Delay

Set Day&Night Transition delay.

Type unsigned char

Values

0 ~ 15

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS Mirror Mode

Set Mirror Mode.

Type unsigned char

Values

- 0 Off
- 1 Horizontal
- 2 Vertical
- 3 Rotate

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS Negative Mode

Set Negative Mode.

Type unsigned char

Values

- 0 Positive
- 1 Negative

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS Gamma

Set Gamma.

Type unsigned char

Values

- 0 Offset #1
- 1 Offset #2
- 2 Offset #3
- 3 Offset #4
- 4 Offset #5
- 5 Offset #6
- 6 Offset #7
- 7 Offset #8

8 Offset #9

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS Sharpness

Set Sharpness.

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM SONYIS CbGain

CAM SONYIS CrGain

Set Cb/Cr Gain.

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

IMX103

Side Effect

CAM PS DN Mode

Day&Night Mode of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Day

1 Night

- 2 Auto
- 3 External Sensor

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM PS DN Level

Day&Night Level of Panasonic Zoom Module applied camera

Type unsigned char

Values

- 0 Low
- 1 Middle
- 2 High
- 3 Adjust

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM PS DN Adjust DN
CAM PS DN Adjust ND

Day to Night Threshold of Panasonic Zoom Module applied camera

Night to Day Threshold of Panasonic Zoom Module applied camera

Type unsigned char

Values

- Group 1* 0 ~ 255
- Group 2* 0 ~ 6

Comment

4 Config Set are supported

Group 1 : P4, P5 Model

Group 2 : P3 Model

Applied Model
Side Effect

CAM PS DN Time

Day & Night Transition Time of Panasonic Zoom Module applied camera

Type unsigned char

Values

5 ~ 20

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS BLC**

BLC of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS FLIP**

FLIP of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS IS Mode**

Image Stabilizer Mode of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM PS IS Level

Image Stabilizer Level of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	Low
1	Middle
2	High

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM PS DNR Mode

Noise Reduction Mode of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM PS DNR Level

Noise Reduction Level of Panasonic Zoom Module applied camera

Type unsigned char

Values

Group 1*	0 ~ 6
Group 2*	0 ~ 5

Comment

4 Config Set are supported

Group 1 : MH322X

Group 2 : etc.

Applied Model**Side Effect****CAM PS DFG**

Defog Mode of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS WB Mode**

White Balance Mode of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Auto

1 AWC

2 Manual

3 3200K fixed(Indoor)

4 5600K fixed(Outdoor)

5 4200K fixed(FLUO)

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS ATW Smart**

ATW(Auto White Balance) Smart of Panasonic Zoom Module applied camera

Type unsigned char

Values

- | | |
|---|--------|
| 0 | Off |
| 1 | Smart1 |
| 2 | Smart2 |
| 3 | Smart3 |

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS WB RED

CAM PS WB BLUE

WB Red/Blue of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS IRIS Mode

IRIS Mode of Panasonic Zoom Module applied camera

Type unsigned char

Values

- | | |
|---|----------------------------------|
| 0 | Auto Iris(Priority Indoor Mode) |
| 1 | Manual Iris(EI Off) |
| 2 | Manual Iris(EI On) |
| 3 | Auto Iris(Priority Outdoor Mode) |

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS IRIS Manual

Manual Iris of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS SHUTTER Mode

Shutter of Panasonic Zoom Module applied camera

Type unsigned char

Values

	Group 1*	Group 2*
0	x128	x128
1	x64	x64
2	x32	x32
3	x16	x16
4	x10	x10
5	x6	x6
6	x4	x4
7	x2	x2
8	x1	x1
9	Auto	Auto
10	1/50	1/60
11	1/100	1/120
12	1/250	1/250
13	1/500	1/500
14	1/1000	1/1000
15	1/2000	1/2000
16	1/4000	1/4000
17	1/10000	1/10000
18	1/16000	1/16000

Comment

4 Config Set are supported

Group 1 : PAL

Group 2 : NTSC

Applied Model

Side Effect

CAM PS SENSUP

SENSUP of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	Off
1	x2
2	x4
3	x6
4	x10
5	x16
6	x32
7	x64
8	x128

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS GAIN Color Max

CAM PS GAIN BW Max

CAM PS GAIN Auto Max

ACG Max Gain(Color Mode) of Panasonic Zoom Module applied camera

ACG Max Gain(B/W Mode) of Panasonic Zoom Module applied camera

ACG Max Gain(Auto Mode) of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	Off
1	30dB
2	36dB
3	42dB

4	24dB
5	27dB
6	33dB
7	39dB
8	21dB
9	18dB
10	15dB

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS GAIN Color

CAM PS GAIN BW

ACG Gain(Color Mode) of Panasonic Zoom Module applied camera

ACG Gain(B/W Mode) of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	0dB
1	3dB
2	6dB
3	9dB
4	12dB
5	15dB
6	18dB
7	21dB
8	24dB
9	27dB
10	30dB
11	33dB
12	36dB
13	39dB
14	42dB

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS DZ Limit

Digital Zoom Limit of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	x1
1	x2
2	x4
3	x8
4	x16
5	x20

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS SD

WDR of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM PS Vivid

Vivid color effect of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect**CAM PS AFSensitivity**

Auto Focus Sensitivity of Panasonic Zoom Module applied camera

Type unsigned char**Values**

0 ~ 15

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS Gamma**

Gamma of Panasonic Zoom Module applied camera

Type unsigned char**Values**

0	Off
1	On
2	Smart1
3	Smart2
4	Smart3
5	Smart4

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS ApertureMode**

Aperture Mode of Panasonic Zoom Module applied camera

Type unsigned char**Values**

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

Side Effect**CAM PS ApertureVDirect****CAM PS ApertureHDirect**

Aperture Vertical/Horizontal Direct of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 ~ 63

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS HighlightCompensation**

Highlight Compensation of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS FocusArea**

Focus Area of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Whole Screen

1 Between 1 and 3

2 Screen center only

Comment

4 Config Set are supported

Applied Model**Side Effect**

CAM PS ATWRed**CAM PS ATWBlue**

ATW Red/Blue of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS AFNearLimit**

Auto Focus near Limit of Panasonic Zoom Module applied camera

Type unsigned char

Values

0	10cm
1	30cm
2	50cm
3	1.5m
4	3m
5	5m

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS Pedestal**

Pedestal of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 ~ 255

Comment

4 Config Set are supported

Applied Model**Side Effect**

CAM PS AFLuminousResponse

Auto Focus Luminous response of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 ~ 63

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS SNPriorityMode**

S/N Priority Mode of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model**Side Effect****CAM PS ChromaSuppression**

Chroma Suppression of Panasonic Zoom Module applied camera

Type unsigned char

Values

0 Off

1 Low

2 Middle

3 High

Comment

4 Config Set are supported

Applied Model

MH322X only

Side Effect

CAM AMBA FLIP HORIZON**CAM AMBA FLIP VERTICAL**

Set Flip horizontal/vertical.

Type unsigned char

Values

0	Off
1	On

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA AWB MODE**

Set AWB Mode.

Type unsigned char

Values

0	Auto
1	Outdoor
2	Incandescent
3	Flourescent
4	Sunny
5	Cloudy
6	Custom

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA AWB RGAIN****CAM AMBA AWB GGAIN****CAM AMBA AWB BGAIN**

Set Auto White Balance Red/Green/Blue Gain.

Type unsigned char

Values

0 ~ 200

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA SHARP LEVEL**

Set Sharpness level.

Type unsigned char

Values

0 ~ 10

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA WDR MODE**

Set WDR Mode.

Type unsigned char

Values

1 On

3 Off

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA WDR LEVEL**

Set WDR Level

Type unsigned char

Values

0 ~ 10

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect

CAM AMBA TDN MODE

Set TDN Mode.

Type unsigned char

Values

	Group 1*	Group 2*
0	Auto	Auto
1	-	-
2	Day	Day
3	Night	Night
4	CDS	-

Comment

4 Config Set are supported

Group 1 : IR Model

Group 2 : etc.

Applied Model

AMBA ISP.

Side Effect

CAM AMBA TDN IR CONTROL

Set IR Control Mode

Type unsigned char

Values

0	Auto
1	On
2	Off

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

IR Model only.

Side Effect

CAM AMBA TDN DAY TH

CAM AMBA TDN NIGHT TH

Set Day/Night transition threshold.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect

CAM AMBA DSS VALUE NIGHT

Set DSS Value at Night.

Type unsigned char

Values

1	1/1
2	1/2
3	1/3
5	1/5
6	1/6
10	1/10
15	1/15
25	1/25
30	1/30
50	1/50
60	1/60
100	1/100
120	1/120
125	1/125
150	1/150
180	1/180
200	1/200
240	1/240

250	1/250
300	1/300
400	1/400
420	1/420
450	1/450
480	1/480
500	1/500
600	1/600
700	1/700
800	1/800
900	1/900
1000	1/1000

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect

CAM AMBA DSS MODE

Set DSS Mode

Type unsigned char

Values

0	Auto
1	On
2	Off

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect

CAM AMBA AE TARGET

Set Auto exposure target.

Type unsigned char

Values

13 ~ 200

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA CDS DAY TH****CAM AMBA CDS NIGHT TH**

Set Day/Night transition Threshold(CDS)

Type unsigned char

Values

3 ~ 30

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

IR Model only.

Side Effect**CAM AMBA CURRENT Y**

Get current Y value.

Type unsigned char

Values**Comment**

Read only

Applied Model

AMBA ISP.

Side Effect**CAM AMBA BRIGHTNESS****CAM AMBA CONTRAST****CAM AMBA SATURATION**

Set Brightness/Contrast/Saturation

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA NF LEVEL**

Set Noise Filter Level.

Type unsigned char

Values

0 ~ 10

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA NF 3D MODE**

Set Noise Filter 3D Mode

Type unsigned char

Values

0 Smart 3D

1 Manual

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect**CAM AMBA NF 3D LEVEL**

Set Noise Filter 3D Level.

Type unsigned char

Values

0 ~ 10

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect
CAM AMBA SP AUTOCONTRAST

Set Auto Contrast.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model

AMBA ISP.

Side Effect
CAM POWERUPACTION

PowerUp Action of Speed Dome Camera

Type unsigned char

Values

0	Off
1	Last Action
2	Preset #1

Comment
Applied Model
Side Effect
CAM SCHSUN ~ CAM SCHSAT

Camera Image Setting(Config Set#1~#4) enable schedule by day of the week and time.

Type 32 bytes, array type

Values

*From Array[0] to Array[23]are valid. Only 24 digits are used in HTTP API
 Array[0] represents 0:00:00 ~ 0:59:59, Array[1] represents 1:00:00 ~ 1:59:59*

0	Config Set#1
1	Config Set #2
2	Config Set #3

3 *Config Set #4*

Comment

Side Effect

String for HTTP API

Read/Write : CAM_SCHEUN=0011222222333333330000

CAM_NTSC_PAL

Set Input Frequency

Type unsigned int

Values

0 60Hz(NTSC)

1 50Hz(Pal)

Comment

Side Effect

CAM_AFAFTERZOOM

Set Auto Focus after Zoom control

Type unsigned char

Values

0 *Off*

1 *On*

Comment

Applied Model

Zoom or PTZ Model.

Side Effect

CAM_OneShotAFafterPTZ

Set One Shot Auto Focus After PTZ

Type unsigned char

Values

0 *Off*

1 *On*

Comment

Applied Model

Except Wonwoo Module.

Side Effect

CAM AFSensitivity

Set Auto Focus Sensitivity.

Type unsigned char

Values

0	Auto
1	Strong
2	Weak

Comment

Applied Model

Zoom(and NXP ISP) Model only

Side Effect

CAM AFArea

Set Auto Focus Area

Type unsigned char

Values

0	Full
1	Center

Comment

Applied Model

Zoom(and NXP ISP) Model only

Side Effect

CAM AFAutoInitMode

Set Auto Focus Init Mode.

Type unsigned char

Values

0	Off
1	Everyday
2	Every Sunday

Comment

Applied Model

Zoom(and NXP ISP) Model only

Side Effect

CAM_AFAutoInitHour

Set Auto Focus Init Hour.

Type unsigned char

Values

0	AM 0:00
1	AM 1:00
2	AM 2:00
3	AM 3:00
4	AM 4:00
5	AM 5:00
6	AM 6:00
7	AM 7:00
8	AM 8:00
9	AM 9:00
10	AM 10:00
11	AM 11:00
12	PM 12:00
13	PM 1:00
14	PM 2:00
15	PM 3:00
16	PM 4:00
17	PM 5:00
18	PM 6:00
19	PM 7:00
20	PM 8:00
21	PM 9:00
22	PM 10:00
23	PM 11:00

Comment

Applied Model

Zoom(and NXP ISP) Model only

Side Effect

CAM_DISPLAYZOOMMAG

Display Zoom Magnification

Type unsigned char

Values

0	Off
1	On

Comment
Applied Model

PTZ Model only

Side Effect
CAM SET IRLED MODE

Display Zoom Magnification

Type unsigned char

Values

	<i>Group 1*</i>	<i>Group 2*</i>
0	<i>Auto-Eco</i>	<i>Auto</i>
1	<i>Auto-Normal</i>	<i>Manual</i>
2	<i>Auto-Strong</i>	
3	<i>Manual</i>	

Comment

Group 1 : P4, P5

Group 2 : P3

Applied Model

IR Model only

Side Effect
CAM SET NEARLED
CAM SET FARLED

Display Zoom Magnification

Type unsigned char

Values

0	Off
1	On

Comment

All Off : CAM_SET_NEARLED(0), CAM_SET_FARLED(0)

Near LED On : CAM_SET_NEARLED(1), CAM_SET_FARLED(0)

Far LED On : CAM_SET_NEARLED(0), CAM_SET_FARLED(1)

All On : Do not use.

Applied Model

IR Model only

Side Effect**CAM SET SPECIALMODEOFCONFIG4**

Enable config set#4 when day&night mode is auto and status is B/W.

Type unsigned char**Values**

0 Off

1 On

Comment**Applied Model****Side Effect****CAM EXTPTZDISABLE**

Prevent Auto PTZ.

Type unsigned char**Values**

0 Off(Allow)

1 On(Prevent)

Comment**Applied Model**

PTZ Model only

Side Effect**CAM CODEC SATURATION**

Set Saturation

Type unsigned char**Values**

1 ~ 255

Comment

4 Config Set are supported

Applied Model**Side Effect**

CAM CODEC CONTRAST

Set Contrast

Type unsigned char

Values

1 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM CODEC BRIGHTNESS

Set Brightness

Type unsigned char

Values

1 ~ 255

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM CODEC NF MODE

Set Noise Filter Mode

Type unsigned char

Values

0	Off
1	Normal 2D or On
2	Normal 3D #1
3	Normal 3D #2
4	Strong
5	Blend

Comment

4 Config Set are supported

Max encoding performance is restricted in 'Strong' or 'Blend' Mode.

Please use the mode only when Performance usage rate is 80% or less.

Applied Model

TCB-123xA was support only 0(off),1(On)

Side Effect

CAM CODEC NFPARAM1

Set "Normal 2D/3D" Strength.

Type unsigned char

Values

0 ~ 200

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM CODEC NFPARAM2

Set "Strong/Blend" Strength.

Type unsigned char

Values

0 ~ 30 or 0 ~ 100

Comment

4 Config Set are supported

Applied Model

TCB-123xA was support 0~100

Side Effect

CAM CODEC NFPARAM3

Set Adaptive Mode.

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM CODEC NFPARAM4

Set Adaptive Strong Strength.

Type unsigned char

Values

0 ~ 2

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM CODEC EDGE MODE

Set Edge Enhancement Mode.

Type unsigned char

Values

0 Off

1 On

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM CODEC EDGEPARAM1

Set Edge Enhancement Sensitivity.

Type unsigned char

Values

0 ~ 7

Comment

4 Config Set are supported

Applied Model

Side Effect

CAM CODEC EDGEPARAM2

Set Edge Enhancement Strength.

Type unsigned char

Values

0 ~ 31

Comment

4 Config Set are supported

Applied Model
Side Effect
CAM CODEC EDGEPARAM4

Set Edge Strength.

Type unsigned char

Values

0 ~ 100

Comment

4 Config Set are supported

Applied Model : **TCB-123xA**

Side Effect
CAM HI FLIP HORIZON

Set Flip Horizontal

Type unsigned char

Values

0 Off

1 On

Comment

Default: 0

4 Config Set are supported

Applied Model

Side Effect
CAM HI FLIP VERTICAL

Set Flip Vertical

Type unsigned char

Values

0 Off

1 On

Comment

Default: 0

4 Config Set are supported

Applied Model
Side Effect
CAM HI TDN MODE

Set Day&Night Mode.

Type unsigned char

Values

	<i>Group1*</i>	<i>Group2*</i>
0	Auto	Auto
2	Day	Day
3	Night	Night
4	CDS	-
5	External Sensor	External Sensor

Comment

Default: 0

4 Config Set are supported

Group 1 : CAM_TDN_IS_IR_LED != 0

Group 2 : CAM_TDN_IS_IR_LED == 0

Applied Model
Side Effect
CAM HI TDN IR CONTROL

Set IR Control mode.

Type unsigned char

Values

0	Auto
1	On
2	Off

Comment

Default: 0

4 Config Set are supported

Applied Model
Side Effect

CAM HI TDN DAY TH

Set TDN Night to Day Threshold.

Type unsigned char

Values

0 ~ 100

Comment

Default: 30

4 Config Set are supported

Applied Model**Side Effect****CAM HI TDN NIGHT TH**

Set TDN Day to Night Threshold.

Type unsigned char

Values

0 ~ 100

Comment

Default: 8

4 Config Set are supported

Applied Model**Side Effect****CAM HI IRIS MODE**

Set IRIS mode.

Type unsigned char

Values

0 Auto

1 Manual

Comment

Default: 1

4 Config Set are supported

Valid when CAM_HI_IRIS_TYPE != 0.

Applied Model**Side Effect**

CAM HI IRIS VALUE

Set IRIS active time.

Type unsigned char

Values

1	1
2	2
4	4
8	8
16	16
32	32
<i>At TCB-123XA</i>	
0	<i>F 1.6</i>
60	<i>F 2.0</i>
86	<i>F 2.4</i>
105	<i>F 2.8</i>
121	<i>F 3.4</i>
136	<i>F 4.0</i>
149	<i>F 4.8</i>
161	<i>F 5.6</i>
172	<i>F 6.8</i>
182	<i>F 8.0</i>
250	<i>Close</i>

Comment

Default: 1

4 Config Set are supported

Valid when CAM_HI_IRIS_MODE == 0 and CAM_HI_IRIS_TYPE == 1

Applied Model

Side Effect

CAM HI DSS MODE NIGHT

Set slow shutter mode.

Type unsigned char

Values

0	<i>Auto</i>
1	<i>On</i>

2 *Off*

Comment

Default: 1

4 Config Set are supported

Applied Model

Side Effect

CAM HI AE MODE

Set Auto Exposure mode.

Type unsigned char

Values

0	<i>Off</i>
1	<i>BLC</i>
2	<i>WDR</i>

Comment

Default: 0

4 Config Set are supported

Applied Model

Side Effect

CAM HI AE AGC LIMIT

Set exposure Target

Type unsigned char

Values

1 ~ 100

Comment

Default: 35

4 Config Set are supported

Applied Model

Side Effect

CAM HI AE TARGET

Set exposure Speed

Type unsigned char

Values

1 ~ 10

Comment

Default: 1

4 Config Set are supported

Applied Model
Side Effect
CAM HI GAMMA INDEX

Set Auto Exposure Max gain.

Type unsigned char

Values

0	0
1	1
2	2

Comment

Default: 0

4 Config Set are supported

Applied Model
Side Effect
CAM HI CDS DAY TH

Set CDS Night -> Day Threshold.

Type unsigned char

Values

3 ~ 30 or 0~255

Comment

Default: 11

4 Config Set are supported

Applied Model
TCB-123xA was support 0~255
Side Effect
CAM HI CDS NIGHT TH

Set CDS Day -> Night Threshold.

Type unsigned char

Values

3 ~ 30 or 0~255

Comment

Default: 5
 4 Config Set are supported

Applied Model

TCB-123xA was support 0~255

Side Effect
CAM HI DEFOG MODE

Set defog mode.

Type unsigned char

Values

0	Off
1	On

Comment

Default: 0
 4 Config Set are supported

Applied Model
Side Effect
CAM HI CURRENT Y

Read Current Y Value and CDS Value.

Type
Values
Comment

HI ISP MODULE

Applied Model
Side Effect
String for HTTPAPI

Read : CAM_HI_CURRENT_Y=Current Value 0 CDS Value 3

CAM HI AWB MODE

Set Auto White Balance mode.

Type unsigned char

Values

0	Normal or Auto Tracing White
1	Manual

10 Underwater

At TCV-123xA

2 Auto White

Comment

Default: 0

4 Config Set are supported

CAM HI AWB RGAIN

Set Manual Red Gain For WB

Type unsigned char

Values

0~255

Comment

Default:16

4 Config Set are supported

Applied Model**Side Effect****CAM HI AWB GGAIN**

Set Manual Green Gain For WB

Type unsigned char

Values

0~255

Comment

Default:16

4 Config Set are supported

Applied Model**Side Effect****CAM HI AWB BGAIN**

Set Manual Blue Gain For WB

Type unsigned char

Values

0~255

Comment

Default:16

4 Config Set are supported

Applied Model

Side Effect

CAM HI TDN FILTER

Set IR Cut Filter.

Type unsigned char

Values

0	Auto (According to ISP's Day/Night state)
1	On (Day)
2	Off (Night)

Comment

Default: 0

4 Config Set are supported

Applied Model

Side Effect

CAM HI DSS VALUE DAY

CAM HI DSS VALUE NIGHT

Set the range of shutter time with two parameters. CAM_HI_DSS_VALUE_DAY is max, CAM_HI_DSS_VALUE_NIGHT is min.

Type unsigned int

Values

1 ~ 10000	1 sec ~ 1/10000 sec
-----------	---------------------

Comment

Default: CAM_HI_DSS_VALUE_DAY(10000),

CAM_HI_DSS_VALUE_NIGHT(15)

CAM_HI_DSS_VALUE_DAY value should be equal or larger than CAM_HI_DSS_VALUE_NIGHT value

4 Config Set are supported

Applied Model

Side Effect

CAM HI AE MAX

Set sensor's analog gain.

Type unsigned char

Values

1 ~ 30

Comment

Default: 30

4 Config Set are supported

CAM HI AE DMAX

Set ISP's digital gain

Type unsigned char

Values

1 ~ 30

Comment

Default: 2

4 Config Set are supported

Applied Model

Side Effect

CAM HI FOCUS LIMIT

Set Focus Limit

Type unsigned char

Values

1 10cm

10 1m

30 3m

50 5m

70 7m

100 10m

Comment

Default: 1(10cm)

4 Config Set are supported

Applied Model

TCB-123X was supported

Side Effect

CAM HI DZOOM MODE

Set Digital Zoom mode

Type unsigned char

Values

0 Off

1 On

Comment

Default: 0

4 Config Set are supported

Applied Model

TCB-123X was supported

Side Effect

CAM HI DIS MODE

Set image Stabilizer mode

Type unsigned char

Values

0 Off

1 On

Comment

Default: 0

4 Config Set are supported

Applied Model

TCB-123X was supported

Side Effect

CAM MASKPOS0X ~ CAM MASKPOS3X

CAM MASKPOS0Y ~ CAM MASKPOS3Y

CAM MASKPOS0W ~ CAM MASKPOS3W

CAM MASKPOS0H ~ CAM MASKPOS3H

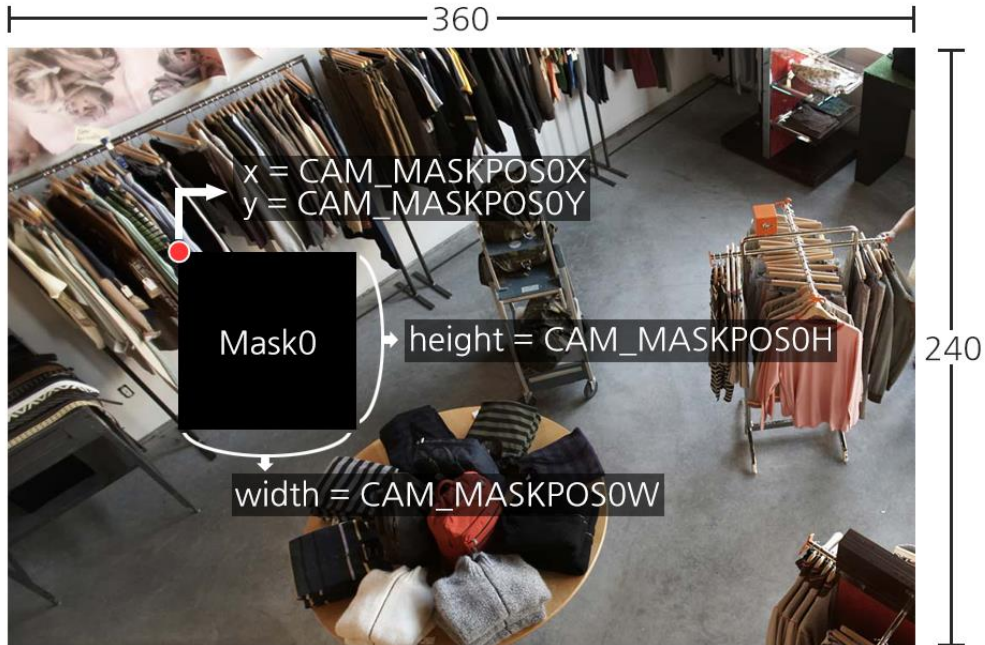
Privacy Mask position (x, y, whdth, height)

Type unsigned short

Values

0 ~360 (CAM_MASKPOSnX, CAM_MASKPOSnW)

0 ~240 (CAM_MASKPOSnY, CAM_MASKPOSnH)



Comment

Applied Model

Supported models only.

Side Effect

2.13 ETC parameters

ETC USEROSDENABLE1

ETC USEROSDENABLE2

ETC USEROSDENABLE3

ETC USEROSDENABLE4

Enable or disable user OSD

Type unsigned char

Values

0 Disable

1 Enable

Comment

Side Effect

ETC USEROSDSTRING1

ETC USEROSDSTRING2

ETC USEROSDSTRING3

ETC USEROSDSTRING4

User OSD string.

Type 64bytes array

Values

Null terminated String, Max 20 characters including Korean.

Comment

Side Effect

ETC USEROSDX1

ETC USEROSDX2

ETC USEROSDX3

ETC USEROSDX4

ETC USEROSDY1

ETC USEROSDY2

ETC USEROSDY3

ETC USEROSDY4

X-coordinate/Y-coordinate of user OSD

Type unsigned short

Values

0 ~ 1000 coordinate

Comment

Side Effect

ETC_USEROSDFONTSIZE1
ETC_USEROSDFONTSIZE2
ETC_USEROSDFONTSIZE3
ETC_USEROSDFONTSIZE4

Font size of user OSD

Type unsigned char

Values

12 ~ 48 font size

Comment
Side Effect
ETC_USEROSDCOLOR1
ETC_USEROSDCOLOR2
ETC_USEROSDCOLOR3
ETC_USEROSDCOLOR4

Color of user OSD

Type unsigned char

Values

0	White
1	Gray1
2	Gray2
3	Gray3
4	Black
5	Red
6	Green
7	Blue
8	Yellow
9	Orange

Comment
Side Effect
ETC_EVENTOSDDISPLAYNAME0
ETC_EVENTOSDDISPLAYNAME1
ETC_EVENTOSDDISPLAYNAME2
ETC_EVENTOSDDISPLAYNAME3

Enable to display event name.

Type unsigned char

Values

0 Disable

1 Enable

Comment

Side Effect

ETC_EVENTOSDSTRING0

ETC_EVENTOSDSTRING1

ETC_EVENTOSDSTRING2

ETC_EVENTOSDSTRING3

Set Event OSD string.

Type 64bytes array

Values

Null terminated String, Max 20 characters including Korean.

Comment

Side Effect

ETC_EVENTOSDX0

ETC_EVENTOSDX1

ETC_EVENTOSDX2

ETC_EVENTOSDX3

ETC_EVENTOSDY0

ETC_EVENTOSDY1

ETC_EVENTOSDY2

ETC_EVENTOSDY3

X-coordinate/Y-coordinate of user OSD.

Type unsigned short

Values

0 ~ 1000 coordinate

Comment

Side Effect

ETC_EVENTOSDFONTSIZE0
ETC_EVENTOSDFONTSIZE1
ETC_EVENTOSDFONTSIZE2
ETC_EVENTOSDFONTSIZE3

Font Size of Event OSD.

Type unsigned char

Values

12 ~ 48 font size

Comment

Side Effect

ETC_EVENTOSDCOLOR0
ETC_EVENTOSDCOLOR1
ETC_EVENTOSDCOLOR2
ETC_EVENTOSDCOLOR3

Color of Event OSD

Type unsigned char

Values

0	White
1	Gray1
2	Gray2
3	Gray3
4	Black
5	Red
6	Green
7	Blue
8	Yellow
9	Orange

Comment

Side Effect

ETC_EVENTOSDEFFECT0
ETC_EVENTOSDEFFECT1
ETC_EVENTOSDEFFECT2
ETC_EVENTOSDEFFECT3

Effect of Event OSD

Type unsigned char

Values

0	No Effect
1	Slow Blink
2	Fast Blink

Comment

Side Effect

ETC_EVENTHTTPENABLE0

ETC_EVENTHTTPENABLE1

ETC_EVENTHTTPENABLE2

ETC_EVENTHTTPENABLE3

Enable HTTP Action

Type unsigned char

Values

0	Off
1	On

Comment

Side Effect

ETC_EVENTHTTPSTRING0

ETC_EVENTHTTPSTRING1

ETC_EVENTHTTPSTRING2

ETC_EVENTHTTPSTRING3

Set HTTP Action string

Type 256bytes array

Values

Null terminated String, Max 255 characters

Comment

Side Effect

ETC_AUTOPARKINGSCHESUN ~ ETC_AUTOPARKINGSCHESAT

AutoParking enable schedule by day of the week and time.

Type 32 bytes, array type

Values

From Array[0] to Array[23]are valid. Only 24 digits are used in HTTP API

Array[0] represents 0:00:00 ~ 0:59:59, Array[1] represents 1:00:00 ~ 1:59:59

0	<i>Parking Action#1</i>
1	<i>Parking Action#2</i>
2	<i>Parking Action#3</i>
3	<i>Parking Action#4</i>

Comment

Side Effect

String for HTTP API

Read/Write : ETC_AUTOPARKINGSCHESUN=012300000000000000000000

ETC MOTIONSCHESUN ~ ETC MOTIONSCHESAT

Motion enable schedule by day of the week and time.

Type 32 bytes, array type

Values

From Array[0] to Array[23]are valid. Only 24 digits are used in HTTP API

Array[0] represents 0:00:00 ~ 0:59:59, Array[1] represents 1:00:00 ~ 1:59:59

0	<i>Disable</i>
1	<i>Enable</i>

Comment

Side Effect

String for HTTP API

Read/Write : ETC_MOTIONSCHESUN=111111100000000111111111

ETC AutoPursuit Sensitivity

Set AutoPursuit Sensitivity.

Type unsigned char

Values

0	<i>High</i>
1	<i>Middle</i>
2	<i>Low</i>

Comment

Side Effect

ETC AutoPursuit Height

Set AutoPursuit Height.

Type unsigned char

Values

0	2.5m
1	2.75m
2	3.0m
3	3.25m
4	3.5m
5	3.75m
6	4.0m
7	4.25m
8	4.5m
9	4.75m
10	5.0m
11	5.5m
12	6.0m
13	6.5m
14	7.0m
15	7.5m
16	8.0m
17	8.5m
18	9.0m
19	9.5m
20	10.0m
21	12.0m
22	14.0m
23	16.0m
24	18.0m
25	20.0m
26	22.0m
27	24.0m
28	26.0m
29	28.0m
30	30.0m

Comment
Side Effect

ETC AutoPursuit Zoom

Enable Zoom Effective Mode.

Type unsigned char

Values

0	Off
1	On

Comment
Side Effect

ETC AutoPursuit Size

Set Object Size.

Type unsigned char

Values

0	Small (1/4 on the screen)
1	Middle (1/2 on the screen)
2	Large (3/4 on the screen)

Comment
Side Effect

ETC AutoPursuit ResetTime

Set AutoPursuit Reset time.

Type unsigned char

Values

0	3s After Starting
1	5s After Starting
2	10s After Starting
3	30s After Starting
4	10s After Stopping
5	20s After Stopping
6	30s After Stopping
7	40s After Stopping
8	50s After Stopping
9	1min After Stopping

10	<i>2min After Stopping</i>
11	<i>3min After Stopping</i>
12	<i>5min After Stopping</i>
13	<i>10min After Stopping</i>
14	<i>No Limitation</i>

Comment

Side Effect

ETC AutoPursuit ResetPosition

Reset Position

Type unsigned short

Values

0 *Previous Preset*

1~500 *Preset Number*

(Except 131~134, 141~148, 151~158, 161~162, 167, 174~175, 177~179)

Comment

Side Effect

ETC AutoPursuit Display

Display Tacking Box

Type unsigned char

Values

0 *Off*

1 *On*

Comment

Side Effect

ETC AutoPursuit Enable

Enable Auto Tracking

Type unsigned char

Values

0 *Off*

1 *On*

Comment

Side Effect

ETC AutoPursuit Zoomlimit

Zoom Limit

Type unsigned char

Values

0	No Limit
1	x2
2	x3
3	x5
4	x10
5	x20

Comment

Side Effect

ETC MPEGTS DestinationIP Ch0

ETC MPEGTS DestinationIP Ch1

ETC MPEGTS DestinationIP Ch2

ETC MPEGTS DestinationIP Ch3

MPEGTS Destination IP(Primary, Secondary#1, #2, #3)

Type 64bytes array

Values

Null terminated String, Max 60 characters.

Comment

Side Effect

ETC MPEGTS DestinationPORT Ch0

ETC MPEGTS DestinationPORT Ch1

ETC MPEGTS DestinationPORT Ch2

ETC MPEGTS DestinationPORT Ch3

MPEGTS Destination Port(Primary, Secondary#1, #2, #3)

Type unsigned short

Values

1 ~ 65535 Port number

Comment

Side Effect

ETC MPEGTS ENABLE Ch0
ETC MPEGTS ENABLE Ch1
ETC MPEGTS ENABLE Ch2
ETC MPEGTS ENABLE Ch3

Enable MPEGTS(Primary, Secondary#1, #2, #3)

Type unsigned char

Values

0 Disable

1 Enable

Comment

Side Effect

ETC SWLISTENABLE0 ~ ETC SWLISTENABLE3

Enable Smooth Switching List.

Type unsigned char

Values

0 Disable

1 Enable

Comment

ETC_SWLISTENABLE0 : Remote #1

ETC_SWLISTENABLE1 : Remote #2

ETC_SWLISTENABLE2 : Remote #3

ETC_SWLISTENABLE3 : Remote #4

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect

ETC SWLIST00 ~ ETC SWLIST99

Set each Smooth Switching list URL.

Type 128Bytes array

Values

Null terminated String, max 128 characters

Comment

ETC_SWLIST00 ~ ETC_SWLIST24 : Remote #1 (No.1 ~ No.25)

ETC_SWLIST25 ~ ETC_SWLIST49 : Remote #2 (No.1 ~ No.25)

ETC_SWLIST50 ~ ETC_SWLIST74 : Remote #3 (No.1 ~ No.25)

ETC_SWLIST75 ~ ETC_SWLIST99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect

ETC_SWNAME00 ~ ETC_SWNAME99

Set each Smooth Switching list name.

Type 32Bytes array

Values

Null terminated String, max 32 characters

Comment

ETC_SWNAME00 ~ ETC_SWNAME24 : Remote #1 (No.1 ~ No.25)

ETC_SWNAME25 ~ ETC_SWNAME49 : Remote #2 (No.1 ~ No.25)

ETC_SWNAME50 ~ ETC_SWNAME74 : Remote #3 (No.1 ~ No.25)

ETC_SWNAME75 ~ ETC_SWNAME99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect

ETC_SWREMOTETYPE00 ~ ETC_SWREMOTETYPE99

Set each Smooth Switching list remote type.

Type unsigned char

Values

0	VSNM
1	RTSP
2	RTP
3	MPEGTS
5	RTMP

Comment

ETC_SWREMOTETYPE00 ~ ETC_SWREMOTETYPE24 : Remote #1 (No.1 ~ No.25)

ETC_SWREMOTETYPE25 ~ ETC_SWREMOTETYPE49 : Remote #2 (No.1 ~ No.25)

ETC_SWREMOTETYPE50 ~ ETC_SWREMOTETYPE74 : Remote #3 (No.1 ~ No.25)

ETC_SWREMOTETYPE75 ~ ETC_SWREMOTETYPE99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect

ETC SWTIMER00 ~ ETC SWTIMER99

Set each Smooth Switching list timer.

Type unsigned short

Values

1 ~ 65535 second

Comment

ETC_SWTIMER00 ~ ETC_SWTIMER24 : Remote #1 (No.1 ~ No.25)

ETC_SWTIMER25 ~ ETC_SWTIMER49 : Remote #2 (No.1 ~ No.25)

ETC_SWTIMER50 ~ ETC_SWTIMER74 : Remote #3 (No.1 ~ No.25)

ETC_SWTIMER75 ~ ETC_SWTIMER99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

ETC SWENABLE00 ~ ETC SWENABLE99

Enable each Smooth Switching.

Type unsigned char

Values

0 *Disable*

1 *Enable*

Comment

ETC_SWENABLE00 ~ ETC_SWENABLE24 : Remote #1 (No.1 ~ No.25)

ETC_SWENABLE25 ~ ETC_SWENABLE49 : Remote #2 (No.1 ~ No.25)

ETC_SWENABLE50 ~ ETC_SWENABLE74 : Remote #3 (No.1 ~ No.25)

ETC_SWENABLE75 ~ ETC_SWENABLE99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect

ETC SWPROTOCOL00 ~ ETC SWPROTOCOL99

Set each Smooth Switching list protocol.

Type unsigned char

Values

0 *TCP*

1 *UDP*

2 *Multicast*

Comment

ETC_SWPROTOCOL00 ~ ETC_SWPROTOCOL24 : Remote #1 (No.1 ~ No.25)

ETC_SWPROTOCOL25 ~ ETC_SWPROTOCOL49 : Remote #2 (No.1 ~ No.25)

ETC_SWPROTOCOL50 ~ ETC_SWPROTOCOL74 : Remote #3 (No.1 ~ No.25)

ETC_SWPROTOCOL75 ~ ETC_SWPROTOCOL99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect
ETC SWPORT00 ~ ETC SWPORT99

Set each Smooth Switching list port.

Type unsigned short

Values

1 ~ 65535 Port number

Comment

ETC_SWPORT00 ~ ETC_SWPORT24 : Remote #1 (No.1 ~ No.25)

ETC_SWPORT25 ~ ETC_SWPORT49 : Remote #2 (No.1 ~ No.25)

ETC_SWPORT50 ~ ETC_SWPORT74 : Remote #3 (No.1 ~ No.25)

ETC_SWPORT75 ~ ETC_SWPORT99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect
ETC SWCHAN00 ~ ETC SWCHAN99

Set each Smooth Switching list channel.

Type unsigned char

Values

0	Channel #1
1	Channel #2
2	Channel #3
3	Channel #4
4	Channel #1 Secondary#1
5	Channel #2 Secondary#1
6	Channel #3 Secondary#1
7	Channel #4 Secondary#1
8	Channel #1 Secondary#2
9	Channel #2 Secondary#2

10	Channel #3 Secondary#2
11	Channel #4 Secondary#2
12	Channel #1 Secondary#3
13	Channel #2 Secondary#3
14	Channel #3 Secondary#3
15	Channel #4 Secondary#3

Comment

ETC_SWCHAN00 ~ ETC_SWCHAN24 : Remote #1 (No.1 ~ No.25)

ETC_SWCHAN25 ~ ETC_SWCHAN49 : Remote #2 (No.1 ~ No.25)

ETC_SWCHAN50 ~ ETC_SWCHAN74 : Remote #3 (No.1 ~ No.25)

ETC_SWCHAN75 ~ ETC_SWCHAN99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect
ETC SWUCESS00 ~ ETC SWUCESS99

Use Streaming Server in Smooth Switching list.

Type unsigned char

Values

0	Off
1	On(Use)

Comment

ETC_SWUCESS00 ~ ETC_SWUCESS24 : Remote #1 (No.1 ~ No.25)

ETC_SWUCESS25 ~ ETC_SWUCESS49 : Remote #2 (No.1 ~ No.25)

ETC_SWUCESS50 ~ ETC_SWUCESS74 : Remote #3 (No.1 ~ No.25)

ETC_SWUCESS75 ~ ETC_SWUCESS99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect
ETC SWSSIP00 ~ ETC SWSSIP99

Set Streaming Server IP in Smooth Switching list.

Type unsigned long

Values

IP address Big-endian

Comment

ETC_SWSSIP00 ~ ETC_SWSSIP24 : Remote #1 (No.1 ~ No.25)

ETC_SWSSIP25 ~ ETC_SWSSIP49 : Remote #2 (No.1 ~ No.25)

ETC_SWSSIP50 ~ ETC_SWSSIP74 : Remote #3 (No.1 ~ No.25)

ETC_SWSSIP75 ~ ETC_SWSSIP99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect**ETC_SWSSPORT00 ~ ETC_SWSSPORT99**

Set Streaming Server Port in Smooth Switching list.

Type unsigned short

Values

1 ~ 65535 Port number

Comment

ETC_SWSSPORT00 ~ ETC_SWSSPORT24 : Remote #1 (No.1 ~ No.25)

ETC_SWSSPORT25 ~ ETC_SWSSPORT49 : Remote #2 (No.1 ~ No.25)

ETC_SWSSPORT50 ~ ETC_SWSSPORT74 : Remote #3 (No.1 ~ No.25)

ETC_SWSSPORT75 ~ ETC_SWSSPORT99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect**ETC_SWUSER00 ~ ETC_SWUSER99**

Set each Smooth Switching list user.

Type 16Bytes array

Values

Null terminated String, max 16 characters

Comment

ETC_SWUSER00 ~ ETC_SWUSER24 : Remote #1 (No.1 ~ No.25)

ETC_SWUSER25 ~ ETC_SWUSER49 : Remote #2 (No.1 ~ No.25)

ETC_SWUSER50 ~ ETC_SWUSER74 : Remote #3 (No.1 ~ No.25)

ETC_SWUSER75 ~ ETC_SWUSER99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect

ETC SWPASS00 ~ ETC SWPASS99

Set each Smooth Switching list user password.

Type 16Bytes array

Values

Null terminated String, max 16 characters

Comment

ETC_SWPASS00 ~ ETC_SWPASS24 : Remote #1 (No.1 ~ No.25)

ETC_SWPASS25 ~ ETC_SWPASS49 : Remote #2 (No.1 ~ No.25)

ETC_SWPASS50 ~ ETC_SWPASS74 : Remote #3 (No.1 ~ No.25)

ETC_SWPASS75 ~ ETC_SWPASS99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect**ETC SWRESOL00 ~ ETC SWRESOL99**

Set Resolution(RTP) in Smooth Switching list.

Type unsigned char

Values

See VID_RESOLUTION.

Comment

ETC_SWRESOL00 ~ ETC_SWRESOL24 : Remote #1 (No.1 ~ No.25)

ETC_SWRESOL25 ~ ETC_SWRESOL49 : Remote #2 (No.1 ~ No.25)

ETC_SWRESOL50 ~ ETC_SWRESOL74 : Remote #3 (No.1 ~ No.25)

ETC_SWRESOL75 ~ ETC_SWRESOL99 : Remote #4 (No.1 ~ No.25)

Applied Model

ANT-45000(Decoder Mode), ANT-36000

Side Effect**ETC PVOSD1LEFT~ETC PVOSD4LEFT**

Direction OSD Range : Left boundary

Type signed integer

Values

0 ~ 36000 Left boundary

Comment

Right boundary must be larger than Left boundary

Side Effect

ETC PVOSD1RIGHT~ETC PVOSD4RIGHT

Direction OSD Range : Right boundary

Type signed integer

Values

0 ~ 36000 Right boundary

Comment

Right boundary must be larger than Left boundary

Side Effect

ETC PVOSD1INENABLE~ETC PVOSD4INENABLE

Enable or disable Direction OSD (inside of the boundary)

Type signed integer

Values

0 Disable

1 Enable

Comment

Side Effect

ETC PVOSD1INSTRING~ETC PVOSD4INSTRING

Direction OSD String (inside of the boundary)

Type 64bytes array

Values

Null terminated String, Max 20 characters including Korean.

Comment

Side Effect

ETC PVOSD1INX~ETC PVOSD4INX

ETC PVOSD1INY~ETC PVOSD4INY

X-coordinate/Y-coordinate of Direction OSD (inside of the boundary)

Type signed integer

Values

0 ~ 1000 coordinate

Comment

Side Effect

ETC PVOSD1INFONTSIZE~ETC PVOSD4INFONTSIZE

Font size of Direction OSD (inside of the boundary)

Type signed integer

Values

12 ~ 48 font size

Comment

Side Effect

ETC PVOSD1INCOLOR~ETC PVOSD4INCOLOR

Color of Direction OSD (inside of the boundary)

Type signed integer

Values

0	White
1	Gray1
2	Gray2
3	Gray3
4	Black
5	Red
6	Green
7	Blue
8	Yellow
9	Orange

Comment

Side Effect

ETC PVOSD1OUTENABLE~ETC PVOSD4OUTENABLE

Enable or disable Direction OSD (outside of the boundary)

Type signed integer

Values

0	Disable
1	Enable

Comment

Side Effect

ETC PVOSD1OUTSTRING~ETC PVOSD4OUTSTRING

Direction OSD String (outside of the boundary)

Type 64bytes array

Values

Null terminated String, Max 20 characters including Korean.

Comment

Side Effect

ETC PVOSD1OUTX~ETC PVOSD4OUTX

ETC PVOSD1OUTY~ETC PVOSD4OUTY

X-coordinate/Y-coordinate of Direction OSD (outside of the boundary)

Type signed integer

Values

0 ~ 1000 coordinate

Comment

Side Effect

ETC PVOSD1OUTFONTSIZE~ETC PVOSD4OUTFONTSIZE

Font size of Direction OSD (outside of the boundary)

Type signed integer

Values

12 ~ 48 font size

Comment

Side Effect

ETC PVOSD1OUTCOLOR~ETC PVOSD4OUTCOLOR

Color of Direction OSD (outside of the boundary)

Type signed integer

Values

0	White
1	Gray1
2	Gray2
3	Gray3
4	Black
5	Red
6	Green
7	Blue
8	Yellow

9 Orange

Comment
Side Effect

ETC IPV6ADDRESS

IPv6 Address

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment
Side Effect

ETC IPV6SUBNETPREFIXLENGTH

IPv6 subnet prefix length

Type signed integer

Values

0 ~ 128

Comment
Side Effect

ETC IPV6DEFAULTGATEWAY

IPv6 default gateway address

Type 64bytes array

Values

Null terminated String, Max 63 characters

Comment
Side Effect

ETC WiperMode

Set wiper mode.

Type unsigned char

Values

0	continuous
1	reservation operation
2	manual

Comment

Default: 2

ETC WiperOperationDay

Set wiper operation day.

Type unsigned char

Values

1	Sunday
2	Monday
4	Tuesday
8	Wednesday
16	Thursday
32	Friday
64	Saturday
127	Everyday

Multiple actions can be specified using bitwise OR-ing.

Comment

Default: 0

ETC WiperOperationTime0

ETC WiperOperationTime1

ETC WiperOperationTime2

ETC WiperOperationTime3

Set wiper operation time.

Type unsigned short

Values

0	Not used
10	10 seconds
30	30 seconds
60	1 minute
180	3 minutes
300	5 minutes
600	10 minutes
1200	20 minutes
1800	30 minutes

Comment

Default: 60

ETC WiperStartHour0

ETC WiperStartHour1

ETC WiperStartHour2

ETC WiperStartHour3

Set wiper start time(hour).

Type unsigned char

Values

0~23 hour

Comment

Default: 0

ETC WiperStartMin0

ETC WiperStartMin1

ETC WiperStartMin2

ETC WiperStartMin3

Set wiper start time(minute).

Type unsigned char

Values

0~59 minutes

Comment

Default: 0

ETC SRTMODE0

ETC SRTMODE1

ETC SRTMODE2

ETC SRTMODE3

Set SRT mode.

Type unsigned char

Values

0	Off
1	Listener
2	Caller

Comment

Valid only when SYS_MODE is Encoder.

Default: 0

ETC_SRTMODE0	Primary
ETC_SRTMODE1	Secondary#1
ETC_SRTMODE2	Secondary#2
ETC_SRTMODE3	Secondary#3

ETC SRTADDRESS0

ETC SRTADDRESS1

ETC SRTADDRESS2

ETC SRTADDRESS3

SRT address.

Type 128bytes array

Values

Null terminated String, Max 128 characters

Comment

Valid only when ETC_SRTMODE is Caller.

ETC SRTPORT0

ETC SRTPORT1

ETC SRTPORT2

ETC SRTPORT3

SRT port.

Type unsigned short

Values

1~65535 Port number

Comment

If ETC_SRTMODE is Listener, port means Listen Port.

If ETC_SRTMODE is Caller, port means Destination Port.

ETC SRTSECURE0

ETC SRTSECURE1

ETC SRTSECURE2

ETC SRTSECURE3

SRT secure.

Type unsigned char

Values

0	Off
1	AES-128
2	AES-256

Comment

Default: 0

ETC SRTPASSPHRASE0

ETC SRTPASSPHRASE1

ETC SRTPASSPHRASE2

ETC SRTPASSPHRASE3

SRT pass phrase.

Type 32bytes array

Values

Null terminated String, Max 32 characters

Comment

2.14 VA parameters

VA General sensitive

Video Analysis Sensitivity

Type unsigned int

Values

0 ~ 100

Comment

Side Effect

VA General indoor

Video Analysis Indoor Mode

Type unsigned int

Values

0	<i>Indoor</i>
1	<i>Outdoor</i>

Comment

Side Effect

VA General color check enable

Video Analysis color check enable

Type unsigned int**Values**

0 Off

1 On

Comment**Side Effect****VA General tracker type**

Video Analysis tracker type

Type unsigned int**Values**

0 None

1 Simple

2 Standard

3 Advanced

Comment

Advanced(3) is not used.

Side Effect**VA General object enable**

Enable object detection.

Type unsigned int**Values**

0 Off

1 On

Comment**Side Effect****VA General min object width****VA General min object height****VA General max object width****VA General max object height**

Set min/max object width/height.

Type unsigned int

Values*0 ~ 100***Comment****Side Effect****VA General people enable**

Enable people detection.

Type unsigned int**Values***0 Off**1 On***Comment****Side Effect****VA General min people width****VA General min people height****VA General max people width****VA General max people height**

Set min/max people width/height.

Type unsigned int**Values***0 ~ 100***Comment****Side Effect****VA General vehicle enable**

Enable vehicle detection.

Type unsigned int**Values***0 Off**1 On***Comment****Side Effect**

VA General min vehicle width

VA General min vehicle height

VA General max vehicle width

VA General max vehicle height

Set min/max vehicle width/height.

Type unsigned int

Values

0 ~ 100

Comment

Side Effect

VA General other enable

Enable other object detection.

Type unsigned int

Values

0 Off

1 On

Comment

Side Effect

VA LineCounting enable

Enable LineCrossing.

Type unsigned int

Values

0 Off

1 On

Comment

Side Effect

VA LineCounting start x

VA LineCounting start y

VA LineCounting end x

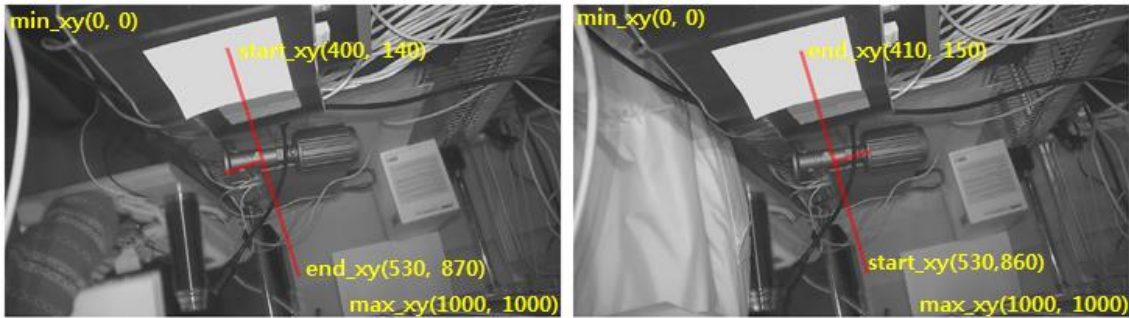
VA LineCounting end y

Set Line.

Type unsigned int

Values

0 ~ 1000



Comment

Side Effect

VA LineCounting camera height

Set camera height for area-based counting in meters.

Type unsigned int

Values

1 ~ 10 meters

Comment

Side Effect

VA Tampering enable

Enable Tampering

Type unsigned int

Values

0 Off

1 On

Comment

Side Effect

VA Intrusion enable

Enable Intrusion

Type unsigned int

Values

0 Off

1 On

Comment

Side Effect

VA Itrusion object size

Set Intrusion object size

Type unsigned int

Values

1 ~ 100 percentage (Min object and intrusion area overlap)

Comment

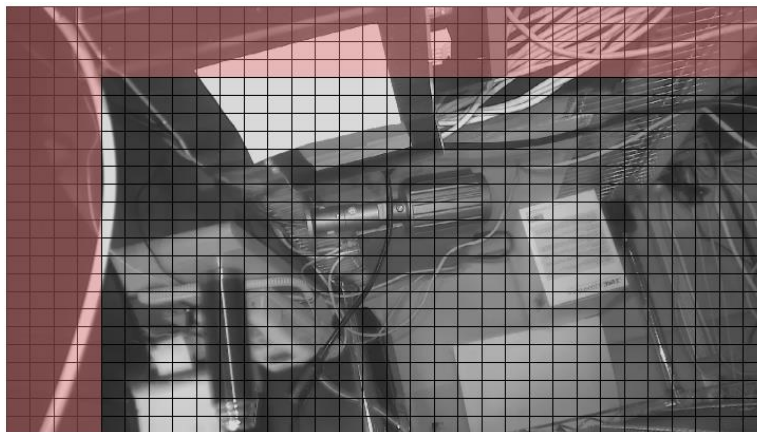
Side Effect

VA Itrusion Area

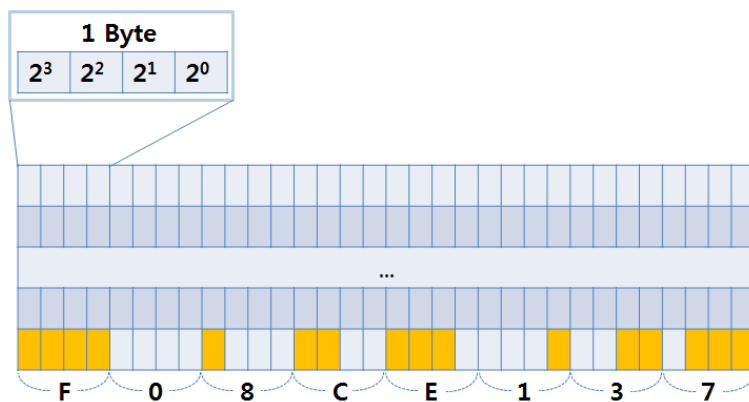
Set Intrusion area

Type Array of 768 unsigned char (32 colums, 24 rows)

Values



VA_Itrusion_Area=FFFFFFFFFFFFFFFFFFFFFFFFF0000000F0000000F0000000F0000000F0000000F0000000
F0000000F0000000F0000000F0000000F0000000F0000000F0000000F0000000F0000000F0000000F0000000F0000000



Comment

192Bytes (8Bytes * 24Bytes)

Side Effect**2.15 VideoOutput parameters****VOUT_DECODEDELAY_0****VOUT_DECODEDELAY_1****VOUT_DECODEDELAY_2****VOUT_DECODEDELAY_3**

Set Video Output buffering time.

Type unsigned char

Values

0 ~ 20

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

When value is 5, buffering time is 500ms. (value * 100ms)

Side Effect**VOUT_AUDIOSYNC_0****VOUT_AUDIOSYNC_1****VOUT_AUDIOSYNC_2****VOUT_AUDIOSYNC_3**

Set Audio Output sync.

Type char

Values

-20 ~ 20

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

When value is -10, audio sync is -500ms. (value * 50ms)

Side Effect**VOUT_CROPENABLE_0****VOUT_CROPENABLE_1****VOUT_CROPENABLE_2****VOUT_CROPENABLE_3**

Set Video Output Mode

Type unsigned char

Values

0	<i>stretch</i>
1	<i>crop</i>
2	<i>black fill</i>

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

VOUT_DISPLAY_HDMI

Set HDMI output Display Mode

Type unsigned char

Values

0	<i>channel 1 only</i>
1	<i>channel 2 only</i>
2	<i>channel 3 only</i>
3	<i>channel 4 only</i>
4	<i>Rotation</i>
5	<i>Quad</i>

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

VOUT_ROT_DELAY_HDMI

Set channel rotation time. (HDMI output)

Type unsigned char

Values

5, 10, 15, 20, 30, 60 sec

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

VOUT_DISPLAY_SDI

Set SDI Output Display Mode

Type unsigned char

Values

0	<i>channel 1 only</i>
---	-----------------------

1	<i>channel 2 only</i>
2	<i>channel 3 only</i>
3	<i>channel 4 only</i>
4	<i>Rotation</i>
5	<i>Quad</i>

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect
VOUT_ROT_DELAY SDI

Set channel rotation time. (SDI output)

Type unsigned char

Values

5, 10, 15, 20, 30, 60 sec

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect
VOUT_DISPLAY CVBS

Set Composite(CVBS) Output Display Mode

Type unsigned char

Values

0	<i>channel 1 only</i>
1	<i>channel 2 only</i>
2	<i>channel 3 only</i>
3	<i>channel 4 only</i>
4	<i>Rotation</i>
5	<i>Quad</i>

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect
VOUT_ROT_DELAY CVBS

Set channel rotation time. (Composite(CVBS) output)

Type unsigned char

Values

5, 10, 15, 20, 30, 60 sec

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

2.16 Remote Address parameters

RMT REMOTETYPE 0

RMT REMOTETYPE 1

RMT REMOTETYPE 2

RMT REMOTETYPE 3

Set Remote Type.

Type unsigned char

Values

0	Normal(Truen proprietary)
1	RTSP
2	RTP
3	MPEG-TS
4	Onvif
5	RTMP

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT PROTOCOL 0

RMT PROTOCOL 1

RMT PROTOCOL 2

RMT PROTOCOL 3

Set Media protocol

Type unsigned char

Values

0	TCP
1	UDP
2	Multicast

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect**RMT DOMAINNAME 0****RMT DOMAINNAME 1****RMT DOMAINNAME 2****RMT DOMAINNAME 3**

Set IP address or URL of IP camera or Encoder to be connected.

Type 128 bytes array

Values**Comment**

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

In case of RTSP URL, URL without RTSP protocol prefix is also allowed.

rtsp://192.168.10.100/video1

192.168.10.100/video1

rtsp://192.168.10.100:8554/video1

192.168.10.100:8554/video1

Side Effect**RMT REMOTEPORT 0****RMT REMOTEPORT 1****RMT REMOTEPORT 2****RMT REMOTEPORT 3**

Port to be used.

Type unsigned short

Values

1 ~ 65535 Port number

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

When the URL configured in NET_DOMAINNAME(or RMT_DOMAINNAME_X) contains a port number, this port setting is ignored.

Side Effect

RMT REMOTECHANNEL 0

RMT REMOTECHANNEL 1

RMT REMOTECHANNEL 2

RMT REMOTECHANNEL 3

Channel number of remote system to connect (when remote system has multiple channels. Normal(Truen proprietary only)).

Type	unsigned char
Values	
0	Channel#1
1	Channel#2
2	Channel#3
3	Channel#4
4	Channel#1Secondary#1
5	Channel#1Secondary#2
6	Channel#1Secondary#3
7	Channel#2Secondary#1
8	Channel#2Secondary#2
9	Channel#2Secondary#3
10	Channel#3Secondary#1
11	Channel#3Secondary#2
12	Channel#3Secondary#3
13	Channel#4Secondary#1
14	Channel#4Secondary#2
15	Channel#4Secondary#3

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT USESS 0

RMT USESS 1

RMT USESS 2

RMT USESS 3

Connect to remote system via streaming server.

Type	unsigned char
Values	
0	Off

1 On

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT SSIP 0

RMT SSIP 1

RMT SSIP 2

RMT SSIP 3

IP address of the streaming server.

Type unsigned long

Values

IP address *Big-endian*

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT SSPORT 0

RMT SSPORT 1

RMT SSPORT 2

RMT SSPORT 3

Connection Port number of the streaming server.

Type unsigned short

Values

1 ~ 65535 *Port number*

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT SSUSER 0

RMT SSUSER 1

RMT SSUSER 2

RMT SSUSER 3

User name to connect to the streaming server

Type 16bytes array

Values

Null terminated String, Max 15 characters.

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT SSPASS 0

RMT SSPASS 1

RMT SSPASS 2

RMT SSPASS 3

Password to connect to the streaming server.

Type 16bytes array

Values

Null terminated String, Max 15 characters.

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT RTPRECVRES 0

RMT RTPRECVRES 1

RMT RTPRECVRES 2

RMT RTPRECVRES 3

Set RTP stream resolution.

Type unsigned char

Values

0	720x480
1	720x240
2	352x480
3	352x240
4	720x576
5	720x288
6	352x576
7	352x288
8	640x480
9	800x600
10	1024x768
11	1280x960

12	1280x1024
13	1440x900
14	1600x1050
15	1680x1050
16	1280x720
17	1920x1080

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT ONVIF PROF CURR 0

RMT ONVIF PROF CURR 1

RMT ONVIF PROF CURR 2

RMT ONVIF PROF CURR 3

Set Onvif Profile..

Type unsigned char

Values

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT SWDISABLE 0

RMT SWDISABLE 1

RMT SWDISABLE 2

RMT SWDISABLE 3

Connection is overlapped for seamless switching when remote address is changed.

Type unsigned char

Values

0	<i>Overlapped connection enabled</i>
1	<i>Overlapped connection disabled</i>

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT WEBDISPLAY

Set Remote number for web live.

Type unsigned char

Values

0	<i>Remote#1</i>
1	<i>Remote#2</i>
2	<i>Remote#3</i>
3	<i>Remote#4</i>

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

RMT RECORDING

Set Remote number for recording.

Type unsigned char

Values

0	<i>Remote#1</i>
1	<i>Remote#2</i>
2	<i>Remote#3</i>
3	<i>Remote#4</i>

Comment

Valid when SYS_MODE is Decoder and the decoders supporting quad-view.

Side Effect

Appendix A. Definition of Time Zones

SYS_TIMEZONE configuration in server use the index to the list of time zones defined as below. The index begins with 0.

(GMT-12:00) International Date Line West
(GMT-11:00) Midway islands, Samoa
(GMT-10:00) Hawaii, Honolulu
(GMT-09:00) Alaska
(GMT-08:00) Pacific Time(US & Canada)
(GMT-08:00) Tijuana, Baja California
(GMT-07:00) Mountain Time (US & Canada)
(GMT-07:00) Arizona
(GMT-07:00) Chihuahua, La Paz, Mazatlan
(GMT-06:00) Guadalajara, Mexico City, Monterrey
(GMT-06:00) Saskatchewan
(GMT-06:00) Central Time(US & Canada)
(GMT-06:00) Central America
(GMT-05:00) Eastern Time (US & Canada)
(GMT-05:00) Bogota, Lima, Quito, Rio Branco
(GMT-05:00) Indiana (East)
(GMT-04:00) Atlantic Time (Canada)
(GMT-04:00) Manaus
(GMT-04:00) Santiago
(GMT-04:00) Caracas, La Paz
(GMT-03:30) Newfoundland
(GMT-03:00) Greenland
(GMT-03:00) Montevideo
(GMT-03:00) Buenos Aires, Georgetown
(GMT-03:00) Brasilia
(GMT-02:00) Mid-Atlantic
(GMT-01:00) Cape Verde Is
(GMT-01:00) Azores
(GMT) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London
(GMT) Casablanca, Monrovia, Reykjavik
(GMT+01:00) Belgrade, Bratislave, Budapest, Ljubljana, Prague
(GMT+01:00) Brussels, Copenhagen, Madrid, Paris
(GMT+01:00) Sarajevo, Skopje, Warsaw, Zaqred
(GMT+01:00) West Central Africa
(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
(GMT+02:00) Minsk
(GMT+02:00) Beirut
(GMT+02:00) Windhoek
(GMT+02:00) Athens, Bucharest, Istanbul
(GMT+02:00) Amman
(GMT+02:00) Jerusalem
(GMT+02:00) Cairo
(GMT+02:00) Harare, Pretoria
(GMT+02:00) Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius
(GMT+03:00) Nairobi
(GMT+03:00) Moscow, St.Petersburg, Volgograd
(GMT+03:00) Baghdad

(GMT+03:00) Kuwait, Riyadh
(GMT+03:00) Tbilisi
(GMT+03:30) Tehran
(GMT+04:00) Baku
(GMT+04:00) Abu Dhabi, Muscat
(GMT+04:00) Yerevan
(GMT+04:30) Kabul
(GMT+05:00) Ekaterinburg
(GMT+05:00) Islamabad, Karachi, Tashkent
(GMT+05:30) Sri Jayawardenepura
(GMT+05:30) Chennai, Kolkata, Mumbai, New Delhi
(GMT+05:45) Kathmandu
(GMT+06:00) Astana, Dhaka
(GMT+06:00) Almaty, Novosibirsk
(GMT+06:30) Yangon (Rangoon)
(GMT+07:00) Bangkok, Hanoi, Jakarta
(GMT+07:00) Krasnoyarsk
(GMT+08:00) Beijing, Chongqing, Hong kong, Urumqi
(GMT+08:00) Irkutsk, Ulaan Bataar
(GMT+08:00) Kuala Lumpur, Singapore
(GMT+08:00) Taipei
(GMT+08:00) Perth
(GMT+09:00) Seoul
(GMT+09:00) Yakutsk
(GMT+09:00) Osaka, Sapporo, Tokyo
(GMT+09:30) Darwin
(GMT+09:30) Adelaide
(GMT+10:00) Guam, Port Moresby
(GMT+10:00) Brisbane
(GMT+10:00) Vladivostok
(GMT+10:00) Canberra, Melbourne, Sydney
(GMT+10:00) Hobart
(GMT+11:00) Magadan, Solomon Is., New Caledonia
(GMT+12:00) Auckland, Wellington
(GMT+12:00) Fiji, Kamchatka, Marshall Is.
(GMT+13:00) Nuku'alofa