



API Commands for Video Decoders (Remote Decode Address Settings)

HTTP

ANT-36000 Decoder

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**Contact: support@antrica.com
www.antrica.com**

1. Overview

This document describes how to configure Decoder's remote address which corresponds to the address of IP camera or Encoder using HTTP API. Configuring remote address is necessary when Decoder is switched to IP camera or Encoder dynamically.

For basic usage of HTTP API, please refer to another document - ' HTTP API.doc'.

2. Configuration parameters for remote address

Decoder

Parameters	Description
NET_REMOTETYPE RMT_REMOTETYPE_0 RMT_REMOTETYPE_1 RMT_REMOTETYPE_2 RMT_REMOTETYPE_3	Remote(protocol) type 0: Normal 1: RTSP 2: RTP 3: MPEG-TS 4: Onvif 5: RTMP
NET_PROTOCOL RMT_PROTOCOL_0 RMT_PROTOCOL_1 RMT_PROTOCOL_2 RMT_PROTOCOL_3	Media protocol: 0: TCP 1: UDP 2: Multicast
NET_DOMAINNAME RMT_DOMAINNAME_0 RMT_DOMAINNAME_1 RMT_DOMAINNAME_2 RMT_DOMAINNAME_3	IP address or URL of IP camera or Encoder to be connected. 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
NET_REMOTEPORT RMT_REMOTEPORT_0 RMT_REMOTEPORT_1 RMT_REMOTEPORT_2 RMT_REMOTEPORT_3	Port to be used. When the URL configured in NET_DOMAINNAME(or RMT_DOMAINNAME_X) contains a port number, this port setting is ignored.
RMT_SWDISABLE_0 RMT_SWDISABLE_1 RMT_SWDISABLE_2 RMT_SWDISABLE_3	Connection is overlapped for seamless switching when remote address is changed: 0: Overlapped connection enabled 1: Overlapped connection disabled

*NET_REMOTETYPE is for single channel decoder (TCS-300, TCS-2000 and old F/W of TCS-1500/TCS-3500 which doesn't support quad-viewing), while RMT_REMOTETYPE_0, RMT_REMOTETYPE_1, RMT_REMOTETYPE_2, RMT_REMOTETYPE_3 are for the decoders supporting quad-view (Recent F/W of TCS-1500/TCS-3500). This relationship is common for other parameters: NET_PROTOCOL, NET_DOMAINNAME etc.

Remote #1 Remote #2 Remote #3 Remote #4

Remote Type

Media Protocol

Address

Port

Overlapped Connection (Keep previous connection until new connection is established.)

3. Configuration parameters for vide output port

Please refer to 2.15 VideoOutput parameters section of Configuration Parameters document for usage of various parameters regarding video output control.

4. Use of switching list

It is possible to configure a list of remote peer (IP camera or video server) and make the decoder switch to each peer sequentially with specified interval. Decoder's web viewer has the following configuration page for this feature.

Video&Audio +
 Network -
 IP&Port
 QoS
 Remote
 Discovery
 SNMP
 DDNS
 IP filtering
 SSL
 Connecting
 Decode List
 Event +
 Record +
 Device +
 PTZ +
 User +
 System +

Switching Decode List

Remote #1 Remote #2 Remote #3 Remote #4

Switching Decode List Enable

No.	Name	URL	Type	Hide	Time	Enable
1	Cam 1	rtsp://192.168.100.13	RTSP	<input type="checkbox"/>	5	<input checked="" type="checkbox"/>
		Media Protocol	TCP			
		Port	554			
2			Normal	Detail	5	<input type="checkbox"/>
3			Normal	Detail	5	<input type="checkbox"/>
4			Normal	Detail	5	<input type="checkbox"/>
5			Normal	Detail	5	<input type="checkbox"/>
6			Normal	Detail	5	<input type="checkbox"/>
7			Normal	Detail	5	<input type="checkbox"/>
8			Normal	Detail	5	<input type="checkbox"/>
9			Normal	Detail	5	<input type="checkbox"/>
10			Normal	Detail	5	<input type="checkbox"/>
11			Normal	Detail	5	<input type="checkbox"/>
12			Normal	Detail	5	<input type="checkbox"/>
13			Normal	Detail	5	<input type="checkbox"/>
14			Normal	Detail	5	<input type="checkbox"/>
15			Normal	Detail	5	<input type="checkbox"/>
16			Normal	Detail	5	<input type="checkbox"/>
17			Normal	Detail	5	<input type="checkbox"/>
18			Normal	Detail	5	<input type="checkbox"/>
19			Normal	Detail	5	<input type="checkbox"/>
20			Normal	Detail	5	<input type="checkbox"/>
21			Normal	Detail	5	<input type="checkbox"/>

The items in this page can be configured with the following configuration parameters which are described in 2.13 ETC parameters section of Configuration Parameters document.

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_SWUSeSS00 ~ ETC_SWUSeSS99
ETC_SWSSIP00 ~ ETC_SWSSIP99
ETC_SWSSPORT00 ~ ETC_SWSSPORT99
ETC_SWUSER00 ~ ETC_SWUSER99
ETC_SWPASS00 ~ ETC_SWPASS99
ETC_SWRESOL

5. HTTP API Examples

Examples are shown for RTSP protocols. Similar scheme can be applied for other protocols.

Setting only Address when default RTSP port is used

http://192.168.10.100/httpapi/WriteParam?action=writeparam&RMT_DOMAINNAME_0=rtsp://192.168.10.200/video1

Setting only Address when a different RTSP port is used

http://192.168.10.100/httpapi/WriteParam?action=writeparam&RMT_DOMAINNAME_0=rtsp://192.168.10.200:8554/video1

Setting multiple parameters in a command

http://192.168.10.100/httpapi/WriteParam?action=writeparam&RMT_REMOType_0=1&RMT_PROTOCOL_0=1&RMT_DOMAINNAME=rtsp://192.168.10.200/video1

Reading the address of remote peer

http://192.168.32.212/httpapi/ReadParam?action=readparam&RMT_DOMAINNAME_0=0