User Manual ver.2

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1. True Manager Software

True Manager is a program used for basic configuration, diagnostics and F/W upgrade of server.

True Manager provides the following features.

- Finding servers on the LAN and assigning IP address
- Monitoring server status: encoding/decoding, serial, sensor and etc.
- Diagnostic function: PING, network bandwidth measurement, video/audio output, port check, serial port check amd etc.
- F/W upgrade
- Setup of server and monitoring
- Web setup of server

2. Device Registration and Removal

🔞 True Man	ager (ver 2.0.1.13)			_	
File Group	Server Tools View Help				
Group	IP discovery	als Settings			
True Ma	Add device	Name	IP/Domain name	Mac address	Mode
	Add multiple devices				
	Remove device				
	Remove all devices				
	Modify device information				
	Web setup page of device				
	Web viewer of device				
	Popup viewer of device				
	Setup device				
	Send http api				
	IVS license				
	IVS license (Hisilicon)				
	PTZ firmware				
	Change password of device(s)				
	Change name of device				>
	Change ip of device				

1) Device Registration

In order to manage servers using True manager, the first step is to register the server. The following steps describe the two ways to register a server.

Add device

① Select Add device on Server menu.

② Enter information for connecting to the server at Add device dialog. If the server is registered on DDNS server, domain name can be used instead of IP address. When the IP address of the server is forgotten, it is possible to find the IP address of the server with IP Discovery function. (Please refer to IP Discovery section).

③ Press Add button.

Add device	×					
Name	Device					
IP/Domain	192.168.10.100					
Http port	80					
HTTPS Port	443					
ID	admin					
Password	••••					
Add Close						

• Add Multiple devices

Ac	Add mutiple devicesX											
	Select all						List generation					
	Name	IP address	Base port	Http port	Https port	ID ^	IP address					
	100	192.168.10.100	2222	80	443	admin					\checkmark	
	101	192.168.10.101	2222	80	443	admin	From	102	169	10	100	
	102	192.168.10.102	2222	80	443	admin		192	100	10	100	
	103	192.168.10.103	2222	80	443	admin	То	192	168	10	160	
	104	192.168.10.104	2222	80	443	admin						
	105	192.168.10.105	2222	80	443	admin	Commente					
	106	192.168.10.106	2222	80	443	admin	Server port a	nd authenticati	on:			
	107	192.168.10.107	2222	80	443	admin	Http port	80		ID admin		
	108	192.168.10.108	2222	80	443	admin			_			
	109	192.168.10.109	2222	80	443	admin	HTTPS Port	443	Passw	ord 1234		
	110	192.168.10.110	2222	80	443	admin						
	111	192.168.10.111	2222	80	443	admin						
	112	192.168.10.112	2222	80	443	admin	Name					
	113	192.168.10.113	2222	80	443	admin	⊠Last nur	mber of the in a	ddress 🛛 F	Full in address		
	114	192.168.10.114	2222	80	443	admin				and a sector		
	115	192.168.10.115	2222	80	443	admin	Prefix :					
	116	192.168.10.116	2222	80	443	admin						
	117	192.168.10.117	2222	80	443	admin			Ge	neration	Clear list	
	118	192.168.10.118	2222	80	443	admin					c.car noc	
	119	192.168.10.119	2222	80	443	admin						
	120	192.168.10.120	2222	80	443	admin						
	121	192.168.10.121	2222	80	443	admin 🗸	Group					
	<					>	All server gro	oup	~	Add	Close	
	Delete				61 Sett	ing(s) Generated						

This menu is used when specific IP range is registered and IP discovery is not discovered

- ① Select Add Multiple devices on Server menu.
- ② Set up IP range: Click one of 4 check boxes and rest 3 check boxes will be disabled. The range which is selected in "From and To" are IP addresses to be registered.
- ③ Server port and Authentication: Enter information for connecting to the servers. Same values are adjusted for all registered servers.
- (4) **Name**: They are named by 1 Prefix and 2 selections gradually.
- 5 Click Generate and then the server information in the registered range will be listed on the left.
- 6 Select the check box of the list which are actually needed or click **Select all servers** on the top of Add server table.
- O **Group**: Select the group on the list or enter new group name.
- 8 Click Add button.

IP Discovery

Using **IP Discovery** function, all servers on the same LAN where the PC executing True Manager is located can be found. Furthermore, it is possible to change IP address of a server easily. **IP Discovery** dialog is invoked by pressing **IP Discovery** in Server menu , and it shows all servers on the same LAN.

Select all					1		Mac Search	Mode	None	
Paddress	Mac address	Base port	Http port	IP mode	Model	Firmware	Mac collision	IP address		
127.0.0.1	30 100 000 100 200	2222	50	Fixed IP	REPTEST			C Mask	192 . 16	5 . 10 . D
192 168 142 111	01-0100275365	2222	80	Faed IP	TN-822034R	V5.912802 T100	2			
192, 168, 142, 123	00 0L-63:05-00.38	4500	80	Fixed 3P	TN-D35032R	V5.912R02 T100			1	
192, 168, 142, 201	00:0000000000	2222	80	Fixed IP	TN-8220228	V5.912802 T100		Citange From	192 . 198	1 . 10 . 1
192.168.142.202	00-01-13102-86-66	4400	5400	Fixed IP	TN-83212K2R	V5.912R02_T100			S	
192 168 142 231	00:00:00:00	4600	5600	Fixed IP	TN-P6236N15	V9.001R01 T100	-	Tp	192 / 350	1 10 1 25
192, 168, 143, 102	UP 01-15-15-08-01	2222	80	Fixed IP	TN-82203-#L	V5.004802_T100		And address		
192 168 143 151	00:00:00:00:00:00	2222	80	Fixed IP	DTS-P5236	V9.002812 T100		Mac appress		
192, 168, 152, 153	WOLFER CLOSED	2222	80	Fixed IP	IN PSN640ND6R	¥11.005W06_T		(Chinds	201-0	22.0.0
192.168.152.158	00-000000000	2222	80	Fixed IP	TN-P5N240N16R	V11.005/806_T		()	999.0	1999 F 1
192, 168, 152, 171	00-01-69009-01-90	2222	80	Fixed D ²	TN 8249V15	V9.906R01_T100				
192, 168, 152, 172	00.00002.007	2222	80	Fixed IP	TN-0244V15	V9.906R01_T100	2	Range From	00:10:	\$3:00:00:00
192, 168, 152, 173	Withdate State	2222	80	Fixed IP	TN 8249V15	V9.906R01 T100				
192, 168, 152, 188	White Contraction?	2222	80	Fixed IP	TN-0940N16	V11.005815_T100	-	To	00:1C:	53 <i>59.59.5</i> 9
192.168.152.21	W SLARGLISTA/	2222	80	Fixed IP	TN-8240N16	¥11.005W06_T				
192.168.152.22	00: Cotto/Cotto/ Ist4	2222	80	Fixed IP	TN-0.340N36	V11.005//06_T				
192.168.152.23	00.0043403400443	2222	80	Fixed 3P	TN-P-9N640N16R	V11.006701_T100		Section redice		
192.168.152.24	00: 00000000000	2222	80	Fixed IP	TN-0040N16	V11.005W06_T		Sur any opposit		
192, 168, 152, 247	00.003044400005	2222	60	Fixed IP	TN-P7230N17R	¥10.004619_T100	1	P address		
192.168.152.25	00-01100001820	2222	80	Fixed 3P	TN-0244916	V11.005/006_T		Manuface & colorate a		
192.168.152.253	00 Subard Accents	2222	80	Fixed D ^a	TN-85005-C	V10.003R01_T	1	Plantang oupleases	10. 000 Els	
192, 168, 154, 124	00.000340.04.00	4300	\$300	Fixed IP	TN-P6236W12	V5.912R02_T100	5 C	O Notify Always	Not	fy once
192, 168, 154, 240	W 5L5203 77 85	2222	80	Fixed 3P	TCAM-4322+BR	v5.005802_T100		A		
192.168.154.241	00 01010.0014	2222	80	Fixed IP	TCAM-4322HER	15.904R01_T100		Don't notity		
192, 168, 154, 251	A WEDGER W	2222	80	Fixed IP	TN-P7236N15R	V9.001R01_T100				
192.168.154.253	00 00104303407	2222	50	Fixed IP	TN-P6336W12	V5.001803_T100				
192, 168, 167, 131	WOLDBACK/C	2222	80	Fixed 3P	TN-P82+W16R	V11.005W06_T	1		Discovery	
192.168.167.132	00 Collectority 14	2222	80	Fixed IP	TN-P052001	V11.003R01_T	4			
192.168.167.84	00.00304463635	2222	80	Fixed IP	TN-83804U1R	V11.001004_T.o.	2		1000	
									Add device	
							_		Ip change	
1000						10.000	in the second	Renat reserve		Chest

If you press **Add device** button after selecting a server, the information for the server is automatically entered on **Add Server** dialog. Pressing **IP Change** button after selecting a server invokes a dialog on which IP address of the server can be changed.

It is possible to change IP address of a server which has IP address of different subnet.

Add device	×
Name	
IP/Domain	192.168.142.111
Http port	80
HTTPS Port	443
ID	admin
Password	••••
Add	Close

2) Removal of a device

A server can be removed by the following steps.

Remove device

- ① Disconnect a device and right click then select Remove device
- 2 Select a device and click remove on the bottom
- ③ Or select Remove device on Server menu

Servers	Channels	Peripherals	s Settings					
[State		Name	IP/Domain name	Mac address	Model	Туре	
	Connected		TEST1	192.168.142.111	00:1C:6	TN-B22034R	Encoder	V5.
	Connected		TEST2	192.168.143.151	00:1C:61 11 00 01	DTS-P5236L	Encoder	٧9.
	Disconnected	Add device Add device Remove device Modify device information Change name of device Change ip of device Web setup page of device Web viewer of device Dos ping		of device evice				
Popup viewer of device								

Remove All Server

- 1 Disconnect a device and right click then select Remove device
- 2 Check Select all and click remove on the bottom
- ③ Or select Remove all devices on Server menu

3) Modify Device Information

Information for a server can be modified after devices are added.

- ① Disconnect a device and right click then select Modify Device Information on Server menu
- ② Select a device and right click, then select Modify Device Information

3. Remote Web Server Connection, Setup and Monitoring

🔞 True Manager (ver 2.0.1.13)									
File Group	Server Tools View Help								
Group True Mar	IP discovery Add device	rals Settings Name	IP/Domain name	Mac addres					
	Add multiple devices Remove device Remove all devices Modify device information	TEST1 TEST2 TEST3	192, 168, 143, 102 192, 168, 143, 151 192, 168, 152, 153	00:1C:63:C6:0 00:1C:63:C5:3					
	Web setup page of device Web viewer of device Popup viewer of device			c					
	Setup device Send http api								
	IVS license IVS license (Hisilicon)								
	PTZ firmware								
-	Change password of device(s) Change name of device Change ip of device								

Server provides web setup page of device, Web viewer of device, Popup viewer of device.

1) Web setup page of device

It opens web setup page on Web browser.

2) Web Viewer

It opens web live view page on Web browser.

3) Popup Viewer

The popup viewer of the selected device will be displayed.



4. Setup device

Setup device allows you to configure System, Video, Audio and Network on True Manager easy and quick.

- ① Select Setup device on Server menu.
- 2 Check the check box of the server to need setup.

Setu	p device					
	Select all				2 Device(s) Listed	System Video Audio Network
S	el State Connected Connected	Name TEST1 TEST2	Type Encoder Encoder	IP/Domain name 192.168.143.102 192.168.143.151	Http response code	System mode Language Language Language Imm NTP server Enable Disable NTP domain pool.ntp.org Current time 2020-06-04 2020-06-04 2 # 5:02:55 Time zone (GMT-12:00) International Date Line West
	Set motion O Mo	tion on(cell) O Motion on(R	egion) 💛 Motion o	ff (Apply settings Close

System

- System Mode

Select system of the server and click the apply button

- Language

Select the language to be used for web-based configuration

- Time

1 NTP server

Select Enable and it automatically synchronized time with an NTP server.

2 Current Time

Current date & time

Enter a new date and time and press Set Current Time button to update date & time

③ Time Zone

Select time zone of where the camera is installed.

Depending on the time zone, Daylight Saving Time will work automatically

Factory Reset

All settings including user accounts and logs are cleared.

• Video

System Video Audio Network	
Enable preview Preview format	channel Ch1 O Ch2 O Ch3 O Ch4
Primary	Secondary
Current input: HDMI 1080p60	Use secondary Off On
\Box Input format Select to change $$	Algorithm(s)
\square Resolution Select to change \lor	Resolution(s) 720x480 V
Framerate 60 V	Framerate(s) 30 V
Preference Bitrate Mode \vee	Preference(s) Bitrate Mode \vee
Quality Ultra fine \vee	Quality(s) Ultra fine \vee
Bitrate 4000 Kbps	Bitrate(s) 1024 Kbps
(32 ~ 10240 Kbps)	(32 ~ 4096 Kbps)
IF interval 30	IF interval(s) 30
	Apply settings Close

- Enable Preview

- ① Select **ON** to enable to display video on the monitor that is **connected to the composite or HD-SDI** video port.
- 2 Select **Preview format** accordingly.

Note that when Enable Preview is ON, dual streaming is not available.

When the video is transmitted directly to the monitor through BNC cable, the video does not go thorough network and encoding. Therefore, there is less delay and no an effect from network limitation.

- Primary

① Current input

It shows current input format

2 Input Format

Select Input Format

③ Resolution

Select video encoding resolution.

④ Frame rate

Determine the maximum number of frames per second for the video stream.

0.2, 0.4, 0.6, 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30 and 60 frame rate can be selected. The actual frame rate of

video can be less than the maximum frame rate set due to the network bandwidth limitation

5 Preference

Select encoding mode to control video quality or bitrate mode.

6 Quality

Select Video quality. 7 levels of quality are available.

⑦ Bitrate

Determine bitrate value between 32 ~ 10240kbps.

8 I-Frame Interval

Determine I-frame Interval between 0 and 255.

There will be no I-frames if 0 is selected.

• Audio

System Video	Audio	Network			
Algorithm:	۲	G. 7 11			
	0	Off	○ Tx only	○ Rx only	Tx and Rx

- Select the audio algorithm: G.711 or AAC

When AAC is selected, only camera to client delivery is supported. That is, web viewer can't send AAC to the camera.

- Select audio operation mode

Mode	Action
Off	No operation
Tx-Only	Transmit only
Rx-Only	Receive only
Tx & Rx	Transmit and Receive

Network

System Video Audio Netw	ork
Base port	* System will reboot after changing base port
Http port	
Https port	
RTSP port	
WS discovery	
IP fileter IP filter setup	* Please set carefully. If you set an invalid value, you cannot access to server.

- Base Port (1025 ~ 65535)

Enter the Base Port number.

Network base port is use for communication with remote clients. In order for camera and remote systems (decoder or VMS, NVR software) to be connected, the port number must be identically configured in camera side and client side.

- HTTP Port (80, 1025 ~ 65535)

Enter HTTP port used for web-based connection

- RTSP Port (554, 1025 ~ 65535)

Enter RTSP port used for RTSP-based connection. The default RTSP port is 554

RTSP (Real Time Streaming Protocol) is a standard for media streaming between server and client.

• Note :

Before changing settings, check the box and after setting each sessions, click Apply Settings button under the sessions certainly and they settings are applied.

Apply settings	Close

5. Device Connection Management

1) Device Connection

If the check box on the first column in **Servers** (or **Channels/Peripheral**) tab, True Manager tries to connect to the server. If the server is running and the network to the server is normal, it will be connected immediately and **State** will be changed to Connected.

Servers	Channels	Peripherals 3	Settings		
Stat	e	Name	IP/Domain Name 192.168.26.75 192.168.10.19		
Conr	nected	75			
Discor	nnected	19			

If it fails to connect to the server due to server or network failure, State displays **Trying connection**. As soon as the server or network is recovered, it will be connected automatically. That is, True Manager periodically retries connection to servers with check box checked.

2) Device disconnection

If the check box is unchecked, the connection to the server is released and State displays Disconnected.

6. Server Status Monitoring

1) Servers tab – General information

Servers tab shows general information for a connected server: IP/Domain name, MAC address, product model, Type, F/W version, startup time and Power Type. This information comes only for connected servers.

Servers	Channels Peri	ipherals Settings								
	State	Name	IP/Domain name	Mac address	Model	Туре	Firmware	Start up time	Power Type	
\square	Connected	TEST1	192, 168, 143, 102	00:1C:63	TN-B22034R	Encoder	V5.004B02_T100	2020/06/03 17:25:28	PoE)

2) Channels tab - Monitoring of video/audio channel state

Channels tab displays how of video channel and audio channel of servers are working.

	Servers Chann	els Peripherals	Settings												
Γ	State	Name	Channel	Connection	Camera	Motion	Record	V-E P(kbps)	V-E P(fps)	V-E S(kbps)	V-E S(fps)	V-D (kbps)	V-D (fps)	A-E (kbps)	A-D (kbps)
18	Connected	TEST1	1	1	Ok			4158	30	1049	30	0	0	57	0

ltem	Displays
Channel	Channel no.
Connection	Number of clients connected to a server (including True Manager)
Camera	Video loss status
Motion	Motion status
Record	Record status
V-E-P(kbps)	Video encoding bitrate / Video RX / Primary
V-E-P(fps)	Video encoding framerate/ Video RX / Primary
V-E-S(kbps)	Video decoding bitrate/ Video RX / Secondary
V-E-S(fps)	Video decoding framerate/ Video RX / Secondary
V-D(kbps)	Video Decoding bitrate/ Video TX
V-D(fps)	Video Decoding framerate/ Video TX
A-E(kbps)	Audio RX
A-E(kbps)	Audio TX

Depending on the system mode, items which are not relevant to the mode may display 0 always. For example, V-D(kbps) and V-D(fps) are always 0, if the system mode is Encoder.

3) Peripherals tab – Monitoring of serial, sensor and relay port

Peripherals tab displays the status of serial, sensor and relay port.

Servers Chann	els Peripherals	Settings									
State	Name	COM1-TX	COM1-RX	COM2-TX	COM2-RX	Sensor 1	Sensor 2	Buzzer	Relay 1	Relay 2	SD card
Connected	TEST1	0	0	0	0	Off	Off	Off	Off	Off	Unknown

ltem	Displays
COM1-TX	Activity of RS-232C port
COM1-RX	- TX: server -> external equipment
	- RX: external equipment -> server
COM2-TX	Activity of RS-422/485 port
COM2-RX	- TX: server -> external equipment
	- RX: external equipment -> server
Sensor1	States of sensor ports
Sensor2	
Buzzer	State of buzzer
Relay1	States of relay ports
Relay2	

4) Settings tab – Monitoring of setting of servers

Settings tab displays the status of setting of servers

Servers Channels	s Peripherals	Settings									
State	Name	Mode	Preview	Output format	Input format	Resolution	Framerate	Preference	Quality	Bitrate	IF interval
Connected	TEST1	Encoder	Off	480i60	HDMI 1080p60	1920x1080	30	CBR	-	4000	30
Use secondary	Algorithm(s)	Resolution(s)	Framerate(s)	Preference(s)	Quality(s)	Bitrate(s)	IF interval(s)	Audio al	gorithm	Audio mode	Audio gain
On	H.264	720x480	30	CBR	-	1024	30	G.7	711	Tx & Rx	25

7. Network and System Diagnostics

- True Manager provides various diagnostic features with which the reason for the following situations can be found.
- Connection between two servers, or between a server and VMS(Video Management System) is not established.
- Video, audio or serial data are not delivered as configured.
- Video and/or audio outputs don't come on output port.

🔞 True Manager (vei	r 2.0.1.13)				
File Group Server	Tools View Help		-		
Group	Upgrade firmware of device	>	Settings		
) True Manager,tm	Disk manager		ame	IP/Domain name	Mac ac
-	Dos ping		ST1	192, 168, 143, 102	00:1C:63:
	Execute "arp -d"		ST2	192.168.143.151	00:1C:63:
			IST3	192.168.152.153	
	Log		ST5	192.168.152.30	00:1C:63:
	Reboot	>			
	Factory reset	>			
	Factory reset v2				
	Options				
	Restore config of device		1		
	Set language	Set language			

1) Dos Ping

Dos table is displayed with by selecting **Ping Test** on **Tools** menu after selecting a server.

It checks internet connection status of a server.

ev C:1	₩wind	dows₩System32\	∦ ping.exe			- 🗆 ×
						·
Reply	from	192.168.26.75:	bytes=32	time=1ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=2ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=5ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=8ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=8ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=5ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=4ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=8ms	TTL=64	
Reply	from	192.168.26.75:	bytes=32	time=8ms	TTL=64	

2) Execute "arp -d"

ARP (Address Resolution Protocol)

Execute "arp-d" commend delete ARP information and reset ARP data and reset ARP data.

3) Log

The log in a server can be viewed by selecting Log on Tools menu.

System log, User, System status, dmesg, netstat, bmstat, df and ps logs are available.

Log type : User Get Save Close 200602 05:30:32 CONNECTION Normal Connected IP (192.168.103.201) ^ ^ 200602 05:41:02 CONNECTION Normal Connected IP (192.168.103.201) ^ ^ 200602 05:57:43 CONNECTION Normal Connected IP (192.168.103.201) 200602 05:57:45 CONNECTION Normal Connected IP (192.168.103.201) 200602 05:67:45 CONNECTION Normal Disconnected IP (192.168.103.201) 200602 06:08:10 CONNECTION Normal Disconnected IP (192.168.103.201) 200602 06:08:10 CONNECTION Normal Disconnected IP (192.168.103.201) 200602 06:18:33 CONNECTION Normal Disconnected IP (192.168.103.201) 200602 06:18:33 CONNECTION Normal Disconnected IP (192.168.103.201) 200602 06:22:05 CONNECTION Normal Disconnected IP (192.168.103.201) 200602 06:33:33 CONNECTION Normal Connected IP (192.168.103.201) 200602 06:33:33 CONNECTION Normal Connected IP (192.168.103.201) 200602 06:37:21 CONNECTION Normal Connected IP (192.168.103.201) 200602 06:59:24 CONNECTION Normal Connected IP (192.168.103.201) 200602 07:09:45 CONNECTION Normal Connected IP (192.168.103.201) 200602 07:09:45 CONNECTION Normal Connected IP (192.168.103.201) 200602 07:09:45 CONNECTION Normal Connected IP (192.168.103.201) 200602 07:09:45 CONNECTION Normal Connected IP (192.168.103.201) 200602 07:09:45 CONNECTION Normal Disconnected IP (192.168.103.201) 200602 07:09:45 CONNECTION Normal Connected	L	og		×
200602 05:30:32 CONNECTION Normal Connected IP(192.168.103.201) A 200602 05:41:02 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 05:41:03 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 05:57:45 CONNECTION Normal Connected IP(192.168.103.201) 200602 05:57:45 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 05:08:07 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 05:08:10 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:18:35 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:18:35 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:22:04 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:22:05 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:33:33 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:33:33 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:33:34 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:59:21 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:59:23 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:59:23 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 06:59:24 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 07:02:28 CONNECTION Normal Connected IP(192.168.103.201) 200602 07:02:28 CONNECTION Normal Disconnected IP(192.168.103.201) 200602 07:02:28 CONNECTION Normal Connected IP(192.168.103.201) 200602 07:02:28 CONNECTION Normal Connected		Log type : User V Get Save	Close	
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200602.08:16:14 CONNECTION Normal Disconnected IP(192.168.103.201)		200602 07:58:03 CONNECTION Normal Connected IP(192.168.103.201)		
20002 05.10.14 CONNECTION NORMAL DISCONNECTED IF (152.106.105.201)		200602 08:16:14 CONNECTION Normal Disconnected IP(192.168.103.201)		×
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4) Reboot

A device or all devices can be rebooted by selecting **Reboot** on **Tools** menu.

5) Factory Reset

All settings including user accounts and logs will be cleared.

A device or all devices can be factory reset by selecting Factory Reset on Tools menu.

6) Options

Designate the OS explorer program to use for web connection.

In case of using 64bit OS program, the explorer should be changed to the 32bit.

8. F/W Upgrade

Upgrade firmware of device True Manager (ver 2.0.1.13) WARNING!!! Please don't power off while upgrade is in progress File Group Server Tools View Help Select all Upgrade firmware of device > Group Sel State Name Туре Progress Firmware True Manager, tm Disk manager am TEST1 V5.004B02 T100 Connected Encoder V9.002B12_T100 Connected TEST2 Encoder Dos ping Connected TEST5 Encoder V3.907R01_T100 ST Execute "arp -d" ST ST Log Reboot 5 Factory reset 5 Factory reset v2 Options Upgrade file ₩₩192.168.11.200₩server₩07. SW 개발팀₩01. 펌웨어 릴리즈₩NXP Series₩최종배 ... Restore config of device Upgrade Close Set language

When **Update** is selected on **Tools** menu, the dialog for F/W upgrade comes.

- ① Select a server to upgrade (check the check box in Sel column). More than one server can be upgraded simultaneously.
- ② Select an upgrade file.
- ③ Press Upgrade button.
- ④ Wait until Progress is changed to Upgrade succeeded.

When network condition is poor, upgrade may fail. In such case, please retry above procedure after network

condition is

Caution: Don't power-off the server while upgrade is in progress. The server may go to irrecoverable state.

recovered.

9. Other Functions

1) Grouping of servers



When there is large number of servers, it is convenient to manage servers in several groups. Using Add Group and Remove Group on Group menu, server group can be created and deleted. Modify Group menu is used to add servers to a group or to remove servers from a group.

And the Group is appeared on the left of true manager page.

😨 True Manager (ver 2.0.1.13)										
File Group Server Tools View Help										
Group 🗙	Servers	Channels	Periph	erals Settings						
- True Manager,tmc GBOUP1		State		Name	IP/Domain name	M				
anoor r		Connected		TEST1	192, 168, 143, 102	00:10				
		Connected		TEST2	192.168.143.151	00:1				
		Disconnected		TEST3	192, 168, 152, 153					
		Connected		TEST5	192.168.152.30	00:1				

2) Checking Disk

Verify the status of the selected server.

True Manager (ver 2.0.1.13)								
File Group Server	Tools View Help							
Group	Upgrade firmware of device	> Setting						
True Manager,tm	Disk manager	me						
	Dos ping	EST1						
	Execute "arp -d"	ST2						
	Log	ST5						
	Reboot	>						
	Factory reset	>						
	Factory reset v2							
	Options							
	Restore config of device							
	Set language							
1								

3) File Setup

True Manager (ver 2.0.1.13)						×		
File	Group	Server	Tools	View	Help			

New

New true manager file is created.

• Save as

A true manager file is saved and the file is appeared on the left of true manager page.

• Open

Open the saved files.

• Exit

Exit from the using true manager.