Safety Precautions

- **O** Make sure to turn off the power before installing Video Server and IP camera.
- **O** Do not use the accessories not recommend by the manufacturer.
- **O** Please pay heed to the follow safety precautions operating and storing location.
 - Avoid extremely hot and cold places. (Operation temperature: -10°C to 50°C

(14°F to 122°F, 20% ~ 80% RH)

- Do not aim to direct sunlight or close to heating equipment.
- Do not operate the product in the presence of vibrations or strong magnetic fields.
- Do not close to water (e.g., near .a bathtub, sink, laundry tub, etc.) or sources of powerful electromagnetic radiation.
- Do not open the top cover of the product. It may cause a failure or electric shock to the components.
- To prevent from overheating, make sure to verify that there is proper ventilation.
- Check for proper power source indicated on the marking label before connecting the power.

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1. Introduction

The IP Cameras and video servers is a video/audio transmission system that provides video and audio surveillance and control function based on a LAN, xDSL, Wireless LAN etc., and IP Network.

This manual is a document to help connect the IP Camera and video server to the network, check video condition, and make necessary changes. For more specific function settings and application, please refer to the User Manual.

O Recommended personal computer operating conditions

- \circ OS: Windows XP, 2000, Windows 7 or Windows 8
- Internet Explorer(only) version 6.0 or later
- CPU: Intel Processor (Clock speed: 2GHz or higher)
- Memory: 2GB or higher
- VGA: 512MB RAM or higher

(Separated VGA is recommended such as NVIDIA, ATI, etc.)

- Hard disk capacity : 20MB or more free space
- O Default ID & Password for Web Viewer
 - $\circ \quad \text{ID: admin} \quad$
 - Password : 1234

2. Connecting the power

Connect the product's Ethernet port to your hub or router applicable to PoE. The LAN cable type differs from depending on the connection method. The product offers Power over Ethernet (PoE). However you can use the product with PoE or without PoE connection. There are two power connector types.

Clip type (2.5pi)



o Model: Video server, Box type IP camera, PTZ speed dome camera, Bullet IR





Model: Dome IP camera, Box camera

Power Specifications

0

o DC power

Specification	Model
Output voltage DC12V (±5%) over	Box camera, Bullet Camera, Dome camera,
1.5A adapter	Video server
Output voltage DC12V (±5%) over	DTZ anod domo comoro
3.0A adapter	PTZ speed dome camera

o PoE

Specification	Model			
PSE devices (MidSpan/EndSpan)	Box camera, Bullet Camera, Dome camera,			
that support IEEE802.af	Video server			
PSE devices (MidSpan/EndSpan)	DTZ around dome comore			
that support IEEE802.at	PIZ speed dome camera			

o AC

Specification	Model				
Output voltage AC24V (±5%) over					
3.0A adapter					

3. Accessing the unit

After you install the unit, IP surveillance product is accessible on the internet. If your PC is on the same internet as the product, and meet this requirement:

■ Internet Explorer 6.0 or later (If you are using IE10, please use the lower version.)

You follow these steps.

- 1) Start web browser, Internet Explorer, and enter the default IP address; http://192.168.10.100.
- 2) In Login and Password field, enter the default admin, 1234. Click Login
- In order to view the video of the product in Internet Explorer, you have to set it to allow ActiveX controls, and perform one-time installation an ActiveX component.

3-1 IP Address

In order to connect the network, the administrator need to set the IP address of the camera or video server.

IP address set options are

- Getting an IP address from the DHCP server (DHCP on/off is set to "DHCP" in "Network Configuration")
- Entering an IP address manually (If IP mode is "Fixed IP", you enter manually the IP address in "Network Configuration")

The currently set IP address status can be checked and changed through the Manager program. In this case, the user can omit the IP address initialization.

Once the IP address is initialized, it can be reset as follows [Factory default].

Items	Address and Port			
IP Address	192.168.10.100			
Subnet Mask	255.255.255.0			
Gate Way	192.168.10.1			
Base Port	2222			
HTTP Port	80			

3-2 IP initialization phase

- 1) Connect power to the product.
- After system initialization is completed, wait (for about 20-30seconds) until the STATUS LED flashes green (or red).
- Press the reset button until all the LEDs are red (It may take about 5 seconds).
 Once the system restarts, release the restart button.

3-3 Network Environment

1) The product's default IP address is 192.168.10.100. Please make sure the product and PC are on the same network segment before running the installation.



3-4 Setting IP using True Manager, VMS and Web Viewer

The desired IP can be set in 3 ways: True Manager, VMS (Video Management Software), and Web Viewer.

1) Using True Manager

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

o Run True Manager and Choose IP Discovery



• If you click IP Discovery, the IP addresses of the Video Server or IP Camera that are connected to the LAN (Local Area Network) will be appeared.

IP Discov	erv											
anager, Select a	servers								Filter			
IP address		MAC address	Base Port	HTTP Port	IP Mode	Model	Firmware Ver	^	Mode :	NOM	NE	
192 16	3 10 100	00:1C:63:4C:0E:87	2222	80	Fixed IP	Truep TCAM-3xx	Epc:V1.103C-006		TD Addross			
192.16	3 10 101	00:1C:63:46:0D:48	2222	80	Fixed IP	Truep TCS-2000	Enc:V1 103C-004		The Multi-Cos			
192.16	3.10.103	00:1C:63:4B:01:E8	2222	80	Fixed IP				() Mask			
192,16	3.10.103	00:1C:63:AC:09:D0	9100	9000	Fixed IP	Truen TCAM-3xx	Epc:V1.103C-005					
192.16	3.10.110	00:1C:63:A7:00:96	2222	80	Fixed IP	Truen TCS-300	Enc:V1.103C-005		-			
192,16	3.10.111	00:1C:63:A7:00:8E	2222	80	Fixed IP	Truen TCS-300	Dec:V1.103C-X30		Range H	om		
192.16	3.10.114	00:1C:63:A7:01:0A	2222	80	Fixed IP	Truen TCS-300	Enc:V1.103C-007			fo		
192,16	3.10.118	00:1C:63:A7:01:88	2222	80	Fixed IP	Truen TCS-300	Enc:V1.103C-007			10 1		
192.16	3.10.119	00:1C:63:A6:00:B4	2222	80	Fixed IP	Truen TCS-2000	Dec:V1.103C-004		MAC Address			
192.16	3.10.123	00:1C:63:AB:02:84	2222	80	Fixed IP							
192.16	3.10.124	00:1C:63:AB:02:82	2222	80	Fixed IP				() Mask			
192.16	3.10.125	00:1C:63:AB:02:78	2222	80	Fixed IP							
192.16	3.10.126	00:1C:63:AB:02:75	2222	80	Fixed IP					_		
192.16	3.10.131	00:1C:63:A3:05:29	2222	80	Fixed IP				C Range From	om		
192.16	3.10.132	00:1C:63:A3:00:76	2222	80	Fixed IP					-		
192.16	3.10.133	00:1C:63:A3:1C:BF	2222	80	Fixed IP						00:1C:63:00:00:00	
192.16	3.10.135	00:1C:63:A3:08:88	2222	80	Fixed IP							
192.16	3.10.136	00:1C:63:A3:05:38	2222	80	Fixed IP				Option			
192.16	3.10.137	00:1C:63:A3:00:01	2222	80	Fixed IP				Default Sorting	Option		
192.16	3.10.152	00:1C:63:A5:1A:06	2369	8080	Fixed IP	Truen TCAM-570	Enc:V1.103C-K08		IP Address			
192.16	3.10.154	00:1C:63:AD:01:FC	2222	80	Fixed IP	Truen TCAM-570	Enc:V1.103C-007					
192.16	3.10.155	00:1C:63:AC:15:3E	2222	80	Fixed IP	Truen TCAM-3xx	Enc:V1.103C-007		-Handling duplica	te Addres	8	
192.16	8.10.156	00:1C:63:AC:15:7B	2222	80	Fixed IP	Truen TCAM-3xx	Enc:V1.103C-007				<u> </u>	
192.16	3.10.158	00:1C:63:A7:00:7C	2222	80	Fixed IP	Truen TCS-300	Enc:V1.103C-006		O Notity Alw	iys	Notify Once	
192.16	8.10.163	00:1C:63:A3:27:7C	2222	80	Fixed IP				💿 Don't Notif	,		
192.16	8.10.165	00:1C:63:A3:26:3C	2222	80	Fixed IP							
192.16	3.10.166	00:1C:63:A4:25:A4	2888	166	Fixed IP							
192.16	3.10.170	00:1C:63:A3:27:E0	2222	80	Fixed IP				(
192.16	3.10.222	00:1C:63:AE:04:D1	2222	80	Fixed IP	TCAM-5x10(432)	Cam:V1.23R10			Di	scover	
192.16	3.10.225	00:1C:63:A3:03:35	2222	80	Fixed IP				<u></u>		_	
192.16	3.10.245	00:1C:63:A7:07:74	2222	80	Fixed IP	Truen TCS-300	Enc:V1.103C-006		Add Ser	/er	IP Change	
192.16	3.10.66	00:30:18:A0:D1:66	2220	82	Fixed IP	True NVR		-				

Choose the product with the IP address that you want to change and click IP Change.
 The following window will appear. Once the Change button is clicked, the system will

True Mana										
le <u>G</u> roup	<u>Server Tools V</u> iew	/ <u>H</u> elp								
oups	IP Discovery									
True Manac	II DISCOVELY									
	Select all servers								Filter	
	IP address	MAC address	Base Port	HTTP Port	IP Mode	Model	Firmware Ver	^	Mode :	NONE
	192.168.10.100	00:1C:63:AC:0F:87	2222	80	Fixed IP	Truen TCAM-3xx	Enc:V1.103C-006		IP Address	
	192.168.10.101	00:1C:63:A6:0D:48	2222	80	Fixed IP	Truen TCS-2000	Enc:V1.103C-004		Mack	102 169 10 0
	192.168.10.103	00:1C:63:AC:09:D0	9100	9000	Fixed IP	Truen TCAM-3xx	Enc:V1.103C-005		U Mask	192 . 100 . 10 . 0
	192.168.10.103	00:1C:63:AB:01:F8	2222	80	Fixed IP					
	192.168.10.110	00:1C:63:A7:00:96	2222	80	Fixed IP	Truen TCS-300	Enc:V1.103C-005		O Range From	192 . 168 . 10 . 1
	192.168.10.111	00:1C:63:A7:00:8F	2222	80	Addroop (hanga			O Kango Trem	
	192.168.10.114	00:1C:63:A7:01:0A	2222	80 "	- Auuress (Jilalige			To	192 . 168 . 10 . 255
	192.168.10.118	00:1C:63:A7:01:88	2222	80						
	192.168.10.119	00:1C:63:A6:00:B4	2222	80	IP Mode	Fixed IP	~		MAC Address	
	192.168.10.123	00:1C:63:AB:02:84	2222	80						
	192.168.10.124	00:1C:63:AB:02:82	2222	80	IP Address	192 . 168 . 1	0 . 100		O Mask	00:1C:63:00:00:00
	192.168.10.125	00:1C:63:AB:02:78	2222	80						
	192.168.10.126	00:1C:63:AB:02:75	2222	80	Subpet Mack	255 . 255 . 2	55 . 0			00:10:63:00:00:00
	192.168.10.131	00:1C:63:A3:05:29	2222	80	Sabrice Hask					00110100100100
	192.168.10.132	00:1C:63:A3:00:76	2222	80	<i></i>	102 169 1	0 1		To	00:10:63:00:00:00
	192.168.10.133	00:1C:63:A3:1C:BF	2222	80	Gateway	192 . 100 . 1	0.1			
	192.168.10.135	00:1C:63:A3:08:88	2222	80		0000				
	192.168.10.136	00:1C:63:A3:05:38	2222	80	Base Port	2222		ſ	Option	
	192.168.10.137	00:1C:63:A3:00:01	2222	80					Default Sorting Opti	on
	192.168.10.152	00:1C:63:A5:1A:06	2369	8080	HTTP Port	80			IP Address	~
	192.168.10.154	00:1C:63:AD:01:FC	2222	80						
	192.168.10.155	00:1C:63:AC:15:3E	2222	80					Handling duplicate A	ddress
	192.168.10.156	00:1C:63:AC:15:7B	2222	80	CH	ange Cance	el 🖉		Notify Always	Notify Once
	192.168.10.158	00:1C:63:A7:00:7C	2222	80					Uniodi y Miways	United y Once
	192.168.10.163	00:1C:63:A3:27:7C	2222	80					On't Notify	
	192.168.10.165	00:1C:63:A3:26:3C	2222	80	Fixed IP					
	192.168.10.166	00:1C:63:A4:25:A4	2888	166	Fixed IP			2		
	192.168.10.170	00:1C:63:A3:27:E0	2222	80	Fixed IP					Discours
lu	192.168.10.222	00:1C:63:AE:04:D1	2222	80	Fixed IP	TCAM-5×10(432)	Cam:V1.23R10			Discover
	192.168.10.225	00:1C:63:A3:03:35	2222	80	Fixed IP					
	192.168.10.245	00:1C:63:A7:07:74	2222	80	Fixed IP	Truen TCS-300	Enc:V1.103C-006		Add Server	IP Change
	192.168.10.66	00:30:18:A0:D1:66	2220	82	Fixed IP	True NVR		~	L	
							62 Device(s) four	d		Close

3-5 Checking Connection with the set IP



- 1) Using True Manager
 - Register the corresponding server using the IP Discovery or Add menu directly. The default ID and password are "admin" & "1234"

Add Server 🛛 🗙							
Server Name	Video Server						
Address	192.168.10.103						
Port	2222						
HTTP Port	80						
ID	admin						
Password	••••						
Add	Cancel						

- o Selected server can be connected to True Manager by checking connection box.
- o The factory default ID is "admin" and the password is "1234".

5. Log

Please try to make a popup window through right button and you can find 'log'.

True Manager						_			-	- 0	×
File Group Server Too	ls View H	lelp									
Group ×	Servers	Channel	s Peripherals	Settings							
— True Manager,tmc	State		Name	IP/Domain name	Mac address	Model	Type	Firmware	Start up time		
		ected	77	Add device Modify device Web setup pag Web viewer of Upgrade firmw Disk manager Ping test Dos ping Network test System test Log Reboot Popup viewer of Save mac addr	information ye of device device are of device of device ess		Decoder	V4.705829_T100	2017/05/31 14:48:13	I	
Ready											

You can see a log from your unit.

Log	×
170526 10:59:23 System Started	^
170526 11:04:22 FW Upgraded	
170526 11:03:32 <= LAST ALIVE TIME	
170526 11:05:09 System Started	
170526 11:11:01 FW Upgraded	
170526 11:10:19 <= LAST ALIVE TIME	
170526 11:11:47 System Started	
170526 16:26:32 Reboot by Peer	
170526 16:26:35 <= LAST ALIVE TIME	
170526 16:26:53 System Started	
170529 18:47:14 FW Upgraded	
170529 18:46:52 <= LAST ALIVE TIME	
170529 18:48:06 System Started	
170531 14:47:27 FW Upgraded	
170531 14:47:08 <= LAST ALIVE TIME	
170531 14:48:13 System Started	~
Save Close	

