Two typical block diagram of applications of IP Video Server;



Case 1

Motion Tracking with IP Applications

- 1. Connect all cables to IP Video Server appropriately. Refer to the figure 5 in the next page.
- [ Power Jack (DC 12V 400mA), RJ45 (Ethernet), BNC (Video in), Terminal Block (PTZ RS-485)]
- 2. Run IP Video Server viewer by typing IP address in address box in your web-browser. (Default IP: 192.168.1.80)
- 3. Press the Admin Tool Button in the web viewer.
- 4. Log in Admin page (Default ID: admin Default pass: admin)
- 5. Click the Motion Tracking menu

Fig. 3	Motion Tracking Menu		
Administration Tools	ministration Tools :: Motion Tracking ::		
Camera & Display			
Video Control Motion Detection	Camera Model SONY 18X (Digital 10X)		
Motion Tracking			
Network TCP/IP	Tracking Sensitivity 4 [0 ~ 7, Default: 3] Tracking Range VALL PAN 0 ~ 0 TILT 0 ~ 0		
SMTP	No Motion Timeout (% with respect to Screen size)		
IP Status	No Motion Wait (>) 30 Sec. [0 ~ 255, Default : 15] Then 1X Zoom Out		

- 6. Check **Camera Model** in the **Camera & Display** is the same model with that of your speed dome.
- (Otherwise, you will experience misaligned Map and imperfect tracking performance.)
- 7. Other items in Motion tracking menu are suggested to leave as they are unless you are familiar with them.
- 8. Make sure **Pelco-D Protocol** is selected in the **Com1Deviceas** for the regular Pelco-D compatible speed domes. If you are using our recommended speed dome cameras, try **Pelco-D(Plus) Protocol** for better performances.

R	It is noted that only Pelco-D and Pelco-D(Plus) Protocol are working		
	for	Motion tracking & Auto Map now.	

Please, ask to your supplier on our recommended speed dome camera models.

Fig. 4	Control Menu		
Administra Tools	ation :: Control ::		
Camera	Serial Port Protocol		
Video Control Motion Detection	Com1 Devices : Pelco-D(Plus) Protocol (PTZ Control) Com2 Devices : None (Auxiliary Device)		
Network	Com1 Port Setup		
TCP/IP	PTZ Camera ID : 1 In ~ 2551		
SMTP IP Status	Baud Rate : 2400 V Data Bit: 8 V		
System	Stop Bit: 1 V Parity: None V		
Language	Use Advanced Communication Setting		
Date & Time	Camera Pan Direction		
Users			
Firmware Update	Direction : OCW		
Default Set Reboot	Apply Cancel		

## Case 2

## Motion Tracking with Analog CCTV Applications

- 1. Connect all cables to IP Video Server appropriately. Refer to the figure 5.
  - [ Power Jack (DC 12V 400 mA), BNC (Video In/ Out), Terminal Block (PTZ RS-485, AUX RS-485)]
- 2. Run IP Video Server viewer by typing IP address in address box in your web-browser. (Default IP: 192.168.1.80)
- 3. Press the Admin Tool Button in the web viewer.
- 4. Log in Admin page (Default ID: admin Default pass: admin)
- 5. Click the Motion Tracking menu. Refer to Fig.3.
- 6. Check **Camera Model** in the **Camera & Display** is the same model with that of your speed dome. (Otherwise, you will experience misaligned Map and imperfect tracking performance.)
- 7. Other items in Motion tracking menu are recommended to leave as they are unless you are familiar with those.
- Make sure Pelco-D Protocol is selected in the Com1Deviceas for the regular Pelco-D compatible speed domes. If you are using our recommended speed dome cameras, try Pelco-D(Plus) Protocol for better performances. Refer to Fig.3.
- 9. Set Com2Deviceas as Pelco-D Protocol for your keyboard controller. Refer to Fig.3.
- 9. Take out Ethernet cable and turn on the Pelco-D compatible keyboard. Now, you are analog control mode.
- 10. To turn ON the Motion Tracking, execute SET Preset 169. To turn OFF the Motion Tracking execute

## RUN Preset 169

Please, consult your user's manual of keyboard to set and run preset.



## \* Key Points for Trouble Shootings

	Symptoms	Check Points
1	Web viewer is ok but no video display.	Check the video cable and camera power.
2	The video is ok but no PTZ control.	Check protocol setting Pelco-D, Camera ID, Baud rate etc
3	I can't connect video server at all. I forgot IP address. I forgot ID/Pass.	<ol> <li>Check out LEDs in the server.</li> <li>If Link LED is not blinking → UTP cable problem</li> <li>If Active LED is not blinking → Change Power</li> <li>If LEDs are ok,</li> <li>Press the factory Reset hole in the backside to return all settings and ID/Pass to default.</li> </ol>
4	Regular PTZ actions are all under control. But motion tracking is not working.	<ul> <li>Speed dome with Imperfect compatibility of Pelco-D</li> <li>Use Pelco-D protocol instead of Pelco-D(Plus) protocol</li> </ul>
5	The Auto Map created is misaligned or unmatched.	Check <b>Camera Model</b> setup in Motion Tracking Menu. <b>Pan direction</b> of speed dome is reversed. Change CCW → CW in Control Menu. (This case is very rare.)