Typical block diagram of applications of IP Video Decoder;



Connection

Setting up IP Devices Connections

- 1. Connect all cables to IP Video Decoder appropriately. Refer to the figure 4 in the next page.
- [Power Jack (DC 12V 400mA), RJ45 (Ethernet), BNC (Video Out), Terminal Block (Keyboard RS-485)]
- 2. Run IP Video Decoder Admin Tool by typing IP address in address box in your web-browser. (Default IP: 192.168.1.81)
- 3. Log in Admin page. (Default ID: admin Default pass: admin)
- 4. Click the Connection List menu
- 6. Click the **Server Search** button **(A)** to search available IP devices in the LAN. The search result will be listed in **Search Result** list box in the right hand side.
- 7. Select one device (B) in the Search Result list. Then you will see the detail data of selected device.
- 8. After filling in the User ID (C) and Password (D) of selected device (Default is all admin.), press the add button (E). The selected item will be displayed in the Server List in left hand side.
- 9. If you want to watch the selected device, check **Connect to Server** check box **(F)** and press **Update** button **(G)**. If connection is successful, you see the 'O' character instead of 'X' in the **Connect** column in the **Server List**.
- 11. Repeat the steps from 7 to 9 as many as you like to add IP devices. (Up to 10 devices)
- 10. If you have more than one device connected, select the channel number in the Single view (H).
 - Then press the Apply button (K) in the bottom. IP Video Decoder will reboot and show the video of selected channel.

	Fig. 2	Connection List
If you have more than one devices, you can use Auto Scan function to watch them sequentially.	Administration Tools	:: Connection List ::
	Management	Display
	Connection List Alarm Sensor Action	H Single View: 1 w Auto Scan: Enabled
To start, Auto Scan, enable the Auto	Network	Scan Interval : 5 Sec J
Scan check box (I) and choose the	SMTP	Server List
Scan interval (J) between channel	P Status	* Server List * Search Result
switching. Then press the Apply (K).	Display & Control	NO Nick Name Connect Device Name P Address
	Control	1 HotionTracker 0 GateCamera1 192.168.1.52
Auto Scan	System Account Language Firmware Update Default Set Reboot	
		Nick Name MotionTracker Server IP 192.158.1.54
		Control Port 10000 C Video Port 10001 D
		Audio Transmit Port 10002 Audio Receive Port 10003
		Oser ID admin User Password +++++
	A-	E Add Update Delete Clear
		K Apply Cancel G

Quick Reference for IP Video Decoder

Alarm Sensor

Counteraction on Alarm Sensor Input/Motion detection/Tracking

- 1. Click the Alarm Sensor Action menu
- 2. In the Alarm action Duration (L) item, select a duration from the list from 5 to 30 sec.
- If an IP device connected has event such as Alarm sensor Input/Motion Detection/Tracking, the video display will be switched automatically to that of the corresponding device. Also, if you check the check box (M) or (O), the sensor

output of decoder can be activated to notice the operator. The duration means how long this counteraction maintained.

- If you check the check box (M) and select an Output in (N), the selected sensor output of decoder will be turned on when Motion Detection or Tracking is detected in any devices connected.
- 4. If you check the check box (O) and select an Output in (P), the selected sensor output of decoder will be turned on when sensor input in selected device is detected.
- Built in Sensor output in decoder is only 1. If you want to control 4 output, you need optional external IO box.

Fig.3	Alarm Sensor Actions			
Administration Tools	:: Alarm Sensor Action ::			
Management	Alarm Action Duration			
Connection List Alarm Sensor Action	L Duration: 15 M Sec.			
Network TCP/IP	* During this period, the video will be automatically switched to that of the corresponding IP device which causes event and sensor output of decoder can be activated at the same time.			
SMTP	On Motion Detection			
IP Status				
Display & Control				
Display	Decoder Sensor Output			
Control	Output 1 Output 2 Output 3 Output 4			
System	On Server Sensor Input			
Account Language	Action On Sensor Input Of Server			
Firmware Update	Decoder Sensor Output :			
Default Set	IP Video Decoder IP Video Server			
Reboot	Output 1 None V P			
	Output 2 None v			
	Output 3 None v			

Keyboard

• How to control IP Video Decoder decoder using Keyboard.

- 1. After connecting the keyboard, run an appropriate preset number as shown in Table 1. Since **Auto Scan ON/OFF** requires rebooting of IP Video Decoder, you should wait for 10 seconds.
- 2. Currently, IP Video Decoder support only Pelco-D compatible keyboard. For different settings of RS-485, open the Control menu and change the settings accordingly,

Table 1	Keyboard Commands	
	Functions	Preset Number
Ch	Channel Select	101 ~ 110 Run
	Next Channel	121 Run
	Previous Channel	120 Run
U	Auto Scan ON	122 Run
10	Auto Scan OFF	123 Run

