

Overview

The ViLink IPV120 is an new industrial standalone multi-format MPEG4/H.264 video and MP3 audio encoder (server) or decoder unit.

The encoder is designed to convert NTSC/PAL analog video signal from BNC connector into a real time compressed digital signal and streams across the LAN and WAN Ethernet Networks via CAT 5 RJ45 connectors. The video and PTZ control data signals are fully manageable through any Internet browser (Internet Explorer/Netcape/etc..), video frame rates from 1 fps to 30 fps can be achieved by enable configurations settings via web browser. The video output is user selectable to be multicast, unicast or real time (RTP). The PTZ control data interface is capable of selecting from RS-232 or RS-422/485 protocols. The IPV120 encoder also provides area selectable video motion detection function for security monitoring applications.

The IPV120 video decoder unit is designed to convert digital compressed video back to NTSC/PAL analog video format. The decoder provides composite BNC connectors. The video can also be played back by the PC, using standard media players such as Quicktime, Windows Media Player (WMP) or Real Player. In multicast mode, any person on the network is able to view the video stream on his/her screen.

The IPV120 encoder/decoder is a great solution for monitoring and surveillance applications as well as converting analog CCTV video infrastructures to Internet Protocol (IP) network. The scalability of the compression and transfer rates allows many video encoders to be places across the network.. This system provide a cost effective solution to convert standard analog video devices to be broadcast over Ethernet network and viewed by users anywhere in the network or be able to re-construct back to standard NTSC/PAL analog video format.



Features

- *MPEG4/H.264 Video Compression*
- *Up to Full D1 Picture*
- *MP3 Audio Compression*
- *Video Motion Detection*
- *LAN and WAN supports*
- *Video Multi-stream Support*
- *PTZ Control Data*
- *Web-Interface Management*

Applications

- *ITS Traffic Surveillance*
- *Homeland Security*
- *Airport Surveillance*
- *Long Distance CCTV*
- *Metro Transportation System Surveillance*
- *Campus CCTV Monitoring*
- *Utility SCADA Network*

Ordering Information

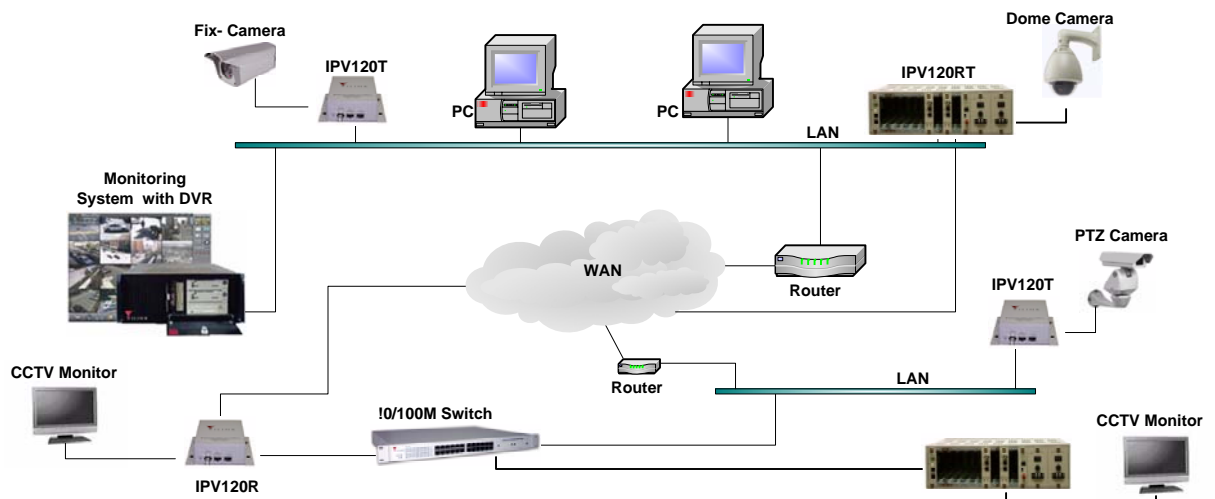
Model	Descriptions
IPVT120	1 Channel IP Video Encoder, H.264, 10/100M LAN, WAN Interfaces
IPVR120	1 Channel IP Video Decoder, H.264, 10/100M LAN, WAN Interfaces
<i>*** Please Consult Factory for Additional Model Numbers***</i>	

Specifications

System:	
OS	Window XP SP2
CPU	Intel Pentium 4 3.0 G or above
Indicators	PWR, Tx, Rx
Network:	
LAN Interface	10/100M Ethernet
WAN Interface	DSL, ADSL, Cable Modem
Multi Server	Channel Selection
Embedded GUI	Visual and Shortcut
Image lag	Less than 200ms
Physical:	
Standalone TX/RX	4.5" x 5.5" x 1.65"
Rack Card	5.0" x 11.5" x 1.1"
Environment:	
Operating	-34 ^o C to +74 ^o C
Storage	-40 ^o C to + 95 ^o C
Humidity	98% Non-Condensing
Power:	
Standalone	12 VDC @ 1.5 Amp
VK2300 Chassis	90~240 VAC or 48 VDC

Video Input:	
Format	MPEG4 / H.264
Input Size	NTSC: 720 x 480 PAL: 720 x 576
Signal Level	1 Vp-p
Compression	100:1 / 200:1 @ 640 x 480
Connector	BNC
Frame Rate	Up to 30 fps
Video Output:	
Format	NTSC, PAL, CCIR
Signal Level	1 Vp-p
Resolution	NTSC: 720 x 480 PAL: 720 x 576
Connector	BNC
Audio In/Out:	
Format	MP3
Signal Level	1 Vp-p
Connector	Terminal Block
Control Data:	
Format	RS-485
Rates	Up to 9.6 Kbps
Connector	RJ45

Applications



Typical IPV120 Video Encoder/Decoder Application