

QV-PRO Enterprise Class Digital Video Recorder

PENTAPLEX, REAL-TIME, JOG / SHUTTLE, FEATURE-RICH, EASE OF USE

Product Features

- H.264 Hardware Compression
- Up to 16 Video & Audio Inputs
- 1080p HDMI, VGA, Composite Outputs
- All Channel Playback
- All Channel Video Loop Outs
- Video Matrix
- Pentaplex
- 4CIF(D1) Real-Time Recording
- 480 Frames Per Second (16 channels)
- Jog/Shuttle
- RAID 1
- Network Sub-Stream
- VOIP
- USB/E-SATA Drive Support
- Up to 16 Terabytes Internal Storage



The **QV-PRO** digital video recorder is the ultimate in digital surveillance technology. The DVR's very high performance, feature-rich, and ease of use functionality combine to create one of the best standalone systems on the market today.

The QV-PRO is an enterprise class digital video recorder utilizing H.264 hardware compression DSPs from Texas Instruments. The QV-PRO can push real-time video and audio recording at a full 4CIF resolution on every channel. That's 4 times the resolution as the standard CIF resolution. At least 2CIF is required to take full advantage of today's high resolution cameras.

The ease of use in this DVR is amazing. Simply plug it in and it begins recording. Mouse control provides very simple point-and-click settings and control. In addition, the unit also includes an IR remote. Use the jog shuttle control to easily fast forward, rewind, and advanced frame-by-frame. You can playback one, two, three, four or ALL channels simultaneously directly off the unit and up to 4 channels simultaneously on the web interface or client software.

Remote viewing, playback, configuration, upgrade, reboot, and backup are all standard on the **QV-PRO**. The embedded web server enables users to perform all these remote function via an Internet Explorer web browser, eliminating the need to install software. Client software is also included for central monitoring and alerts for multiple **QV-PRO** units. Dual streaming configurations are also a standard feature allowing high resolution recording on the unit locally, while lower bit rates and resolution are used for remote viewing, conserving network bandwidth and increasing remote viewing quality and performance. Two-way voice talk & audio over the Internet is also standard on the **QV-PRO**

There are too many features to list, but some of the following include: HDMI, VGA and Composite simultaneous main monitor output, Video Matrix, 10 simultaneous network users, RAID storage, FTP record/backup, email alerts, DDNS support, 3D intelligent PTZ control, power failure auto-recovery, DVD-RW backup, user management and much more.

Full featured 4th generation digital surveillance technology utilizing a Linux embedded OS, embedded web server, and TI DSPs bring together the most powerful network-based digital video recorder available without sacrificing usability.

TECHNICAL SPECIFICATIONS



MODELS	
QV-4PRO	Standard 4ch unit
QV-8PRO	Standard 8ch unit
QV-16PRO	Standard 16ch unit

GENERAL	
Video Inputs	4,8,16 inputs, 1.0Vp-p, 75Ω unbalanced
Video Outputs	4 Monitor outputs (1080p HDMI , VGA, Composite, Spot Monitor)
HDMI/VGA/Composite	YES
Individual channel loop outs	YES
1 Spot Monitor	Video Matrix Function
Audio Inputs	4,8,16 audio inputs (200-2800mV, 30KΩ)
Audio Outputs	1 audio output (200-3000mV, 5KΩ)
Voice Interface	1 (200-2800mV, 30KΩ)
Audio Compression	G.711, 64kbps ADPCM (VOIP standard)
Video Compression	H.264
Preview Resolution	NTSC: HDMI/VGA 1920 x 1080, 1280x1024, 1280x720, 1024x768
Compression Resolutions	NTSC: 704 x 480 (4CIF) NTSC: 704 x 240(HD1) NTSC: 352 x 240 (CIF)
Color	16.7 Million
Stream Type	Video or Video/Audio
Bit Rate	56kbps ~ 2Mbps (user-defined), variable
Recording Frame Rate	4CIF Resolution: 30 frames/sec/channel
Record Quality	Highest, Higher, High, Average, Low, Lower, Lowest
Record Mode	Schedule, Motion, Alarm (simultaneous or combination)
Playback Mode	Date/Time Search or Event Search
Operation Mode	Pentaplex (simultaneous monitor, record, playback, network, and backup)
Motion Detect	Area Division: 22 x 15, on/off selectable Motion Detect and Relay On Simultaneously
Privacy Masking Alerts	Yes
View Tampering Alerts	Yes
Network Function	Internet Explorer and Client Software
Alarm	16 Alarm Inputs / 6 Relay Output
Back-up	DVD-RW / USB / Network/E-SATA
RS485	Keyboard Controller / PTZ
HDD Interface	8 SATA. Internal bracket supports 6 HDD plus 1 DVD-RW or 8DD without DVD-RW
HDD Management	Hibernation, HDD faulty alarms, RAID (redundancy)
VGA Interface	1, Support 800x600/60Hz, 1024x768/60Hz, 1280x1024/60Hz, 1920x1080 /60Hz

MECHANICAL	
Video Inputs	BNC female
Video Output	BNC female
Monitor Output	HDMI, VGA, BNC
Audio Inputs	BNC female
Audio Output	BNC female
Alarm Inputs	Screw Terminals
Alarm Outputs	Screw Terminals
RS485	Screw Terminals
Network	RJ-45 10M/100M UTP
VGA	9-pin D-sub female
USB	USB 2.0 Type A port
IR Remote Controller	Standard, Addressable
Voice Interface	RCA female

ELECTRICAL	
Power Requirements	110V 60 Hz, 220V 50Hz
Power Consumption	22W ~42W (without HDD)

ENVIRONMENTAL	
Operating Temperature	32° to 131°F (0° to 55°C)
Operating Humidity	10-90% RH Max.

PHYSICAL	
Dimensions	19in. 2U 440(w) x 89(H) x 460(D)mm
Weight	20 lbs approx. (without HDD)
Shipping Weight	35 lbs approx.