

PRODUCT SPECIFICATION

Elite Series H.264 Digital Video Recorder

PENTAPLEX, HDMI, MATRIX, LOOP OUTPUTS, ALL CHANNEL PLAYBACK, NET SUB-STREAM

Product Features

- H.264 Hardware Compression
- Up to 16 Video Inputs, 16 Audio Inputs
- HDMI, VGA, Composite Main Outputs
- All Channel Playback
- All Channel Video Loop Outputs
- Video Matrix
- Realtime CIF Recording on All Channels
- Up to 2 Channels of Realtime D1 Recording
- All Channels D1 at 6fps
- Up to 480fps
- Jog Shuttle
- Network Sub-Stream
- RAID 1
- VOIP
- USB/E-SATA File Backup Support



The Elite Series DVR is the state-of-the-art in digital surveillance technology. This unit is very high performance, feature-rich and easy to use. Its advanced functionality makes this one of the best standalone systems on the

The Elite Series is an enterprise class digital video recorder utilizing H.264 hardware compression DSPs. The Elite Series can record real-time video and audio at CIF resolution on every channel and up to 2 channels at full 4CIF (one on 4 or 8ch unit, two on 16ch unit) or 6 FPS at a full 4CIF resolution on every channel.

This DVR is amazingly easy to use. Simply plug it in and it starts recording. Mouse control provides very simple point-and-click settings and control. This unit also includes an IR remote. Use the jog shuttle control to easily fast forward, rewind, and advance frame by frame. one, two, three, four or ALL channels can be played back simultaneously directly on the DVR and up to 4 channel simultaneous playback can be done via the web interface or client software. Remote viewing, playback, configuration, upgrade, reboot, and backup are all standard on the Elite Series.

The embedded web server enables users to perform all these functions remotely via Internet Explorer web browser, eliminating the need to install software. Client software is also included for central monitoring and alerts for multiple Elite Series units. The built in secondary network stream allows you to record in super high resolution at the DVR while streaming over the network at a lower bit rate to save bandwidth. Two-way voice and audio over the Internet is also standard on the Elite Series.

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

Latest generation digital surveillance technology utilizes a Linux embedded OS, embedded web server, and DSPs to bring you the most powerful network-based digital video recorder available.

TECHNICAL SPECIFICATIONS

MODELS

ELITE-4	Standard 4 Ch Unit
ELITE-8	Standard 8 Ch Unit
ELITE-16	Standard 16 Ch Unit

GENERAL

Video Inputs	4, 8, 16 inputs, 1.0Vp-p, 75ohm unbalanced
Video Outputs	3 Main Monitor Outputs HDMI / VGA / BNC Individual channel loop outs 1 Spot Monitor
Audio Inputs	4,8,16 audio inputs (200-2800mV, 30Kohm)
Audio Outputs	1 audio output (200-3000mV, 5Kohm)
Voice Interface	1 (200-2800mV, 30Kohm)
Audio Compression	G.711, 64kbps ADPCM (VOIP standard)
Video Compression	H.264
Preview Resolution	HDMI/VGA: 1280 x 1024, 1280 x 720, 1024 x 768 BNC: 800 x 600
Compression Resolution	704 x 480 (4CIF) 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 Simultaneous
Privacy Masking Alerts	Yes
View Tampering Alerts	Yes
Network Function	Internet Explorer and Client Software
Alarm	8 & 16ch: Alarm Inputs / 6 Relay Outputs
Backup	DVD-RW / USB / Network / eSATA
RS 485	Keyboard Controller / PTZ
HDD Interface	4 SATA: Internal bracket supports 8 HDD or 1 DVD-RW and 3 HDD
HDD Management	Hibernation, HDD fault alarm, RAID (redundancy)

MECHANICAL

Video Inputs	BNC female
Video Output	BNC female
Monitor Output	HDMI, VGA, BNC female
Audio Inputs	Channels 1-4: BNC Female Remaining Channels are RCA Female
Audio Output	BNC female
Alarm Inputs	Screw Terminals
Alarm Outputs	Screw Terminals
RS485	Screw Terminals
Network	RJ45 10M/100M UTP
VGA	9-pin D-sub female
USB	USB 2.0 Type A port
IR Remote Controller	Standard, Addressable

ELECTRICAL

Power Requirements	110V 60Hz, 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	20lbs approx. (without HDD)
Shipping Weight	23 lbs approx.