

PRODUCT SPECIFICATIONS

EL Series 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 Inputs, 16 Audio Inputs
- Pentaplex
- CIF Real-Time Recording
- Up to 480 Frames per Second
- Jog/Shuttle
- Ease of Use
- RAID 1
- VOIP
- USB Drive Support
- Complete Remote Access
- Up to 4 Terabytes Internal Storage
- Fluent PTZ Support
- Channel Independent Configuration
- VGA Included



The EL Series digital video recorder is the ultimate in digital surveillance technology. The DVRs very high performance, feature-rich, easy to use functionality combine to create one of the best standalone systems on the market today.

The EL Series is an enterprise class digital video recorder utilizing H.264 hardware compression DSPs. The EL Series can push realtime video and audio recording at CIF resolution on every channel or 7.5 FPS at a full 4CIF(D1) resolution on every channel.

This easy-to-use 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 advance frame-by-frame. Up to 2 independent channels can be played back simultaneously, even at different time intervals. 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 EL Series. The embedded web server enables users to perform all these remote functions via Internet Explorer web browser, eliminating the need to install software. Client software is also included for central monitoring and alerts for multiple EL Series units. Two-way voice and audio over the Internet is also standard on the EL Series.

There are too many features to list, but some of the following include: 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 3rd generation digital surveillance technology utilizing a Linux embedded OS, embedded web server, and DSPs combine to bring you the most powerful network-based digital video recorder available without sacrificing useability.

TECHNICAL SPECIFICATIONS

MODELS

DVR-EL04120	Standard 4ch unit
DVR-EL08240	Standard 8ch unit
DVR-EL016480	Standard 16ch unit

GENERAL

Video Inputs	4,8,16 inputs, 1.0Vp-p, 75Ω unbalanced
Video Outputs	1 Main Monitor 1 Spot Monitor (not available on 4ch) 1 VGA
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: 704 x 480 (4CIF)
Compression Resolutions	NTSC: 704 x 480 (4CIF) 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	CIF Resolution: 30 frames/sec/channel 4CIF Resolution: 7.5 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: 16 Alarm Inputs / 6 Relay Output 4ch: 4 Alarm Inputs / 3 Relay Output
Back-up	DVD-RW / USB / Network
RS485	Keyboard Controller / PTZ
HDD Interface	4 SATA. Internal bracket supports 1 DVD-RW plus 3 HDD or 4 HDD.
HDD Management	Hibernation, HDD faulty alarms, RAID (redundancy)
VGA Interface	1, Support 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz

MECHANICAL

Video Inputs	BNC female
Video Output	BNC female
Monitor Output	BNC female
Audio Inputs	RCA female
Audio Output	RCA female
Alarm Inputs	Screw Terminals
Alarm Outputs	Screw Terminals
RS485	Screw Terminals
Network	RJ-45 10M/100M UTP
VGA	9-pin D-sub female
RS-232	RJ-45
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	23 lbs approx.

OPTIONAL ACCESSORIES

N/A