# ECOR264-8D2

## Cost Effective H.264 Performance plus a Powerful Feature Set

**H.264** compression

Audio I/O

**GUI** Graphic User Interface

**Real-Time**

**Dual Stream**

USB Mouse

USB Drive

**FREE DDNS**

DVD+RW (Optional)

PDA/ Smart Phone

# ECOR264-8D2

## Cost Effective H.264 Performance plus a Powerful Feature Set

The introduction of the 8 channel ECOR264-8D2 DVR adds the advantages of H.264 compression to the power and flexibility of the already popular ECOR DVR. State of the art H.264 compression techniques enhance recorded video storage capacity and conserve network transmission bandwidth while maintaining high image quality. The ECOR264-8D2 offers real time recording (8x30FPS@CIF), plus, the ability to **independently configure image resolution and frame rate for individual cameras** allows some cameras to be recorded at D1 while others are set at CIF or 2CIF to utilize the entire 240 CIF FPS recording capacity of the unit.

The new enhanced color Graphical User Interface (GUI) makes configuration over the network, from the front panel or with the included mouse fast and easy. An Express Setup option allows rapid configuration of time & date, global recording settings and network configuration from a single screen. Choose from continuous, event or schedule recording, or pick the number of days you want to record and the Express Setup does the rest. View live, play back recorded video and configure the DVR remotely over a LAN or WAN with the included web browser interface; check your home or business on the go from a cell phone or PDA – the ECOR264-8D2 supports multiple remote access methods.

On playback, in addition to traditional date/time and event searches the ECOR264-8D2 also provides powerful Smart and Snapshot Search functions. Review recorded video and let the DVR identify motion in area(s) of interest during playback, or choose a starting date/time, an interval and direction and view a series of snapshots extracted from recorded video to quickly isolate and play back relevant video for efficient review of significant activities.

## Features

- Compatible with FREE EverFocus Central Management Software
- H.264 Compression format for efficient disk utilization and network bandwidth conservation
- Recording resolution and rate can be set independently for each camera, and changed via user defined schedule
- Streaming at CIF for remote web viewing to conserve bandwidth independent of recording resolution
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly color GUI with graphical icons and visual indicators
- Supports mobile monitoring of live video from PDA and Smart Phones (FREE MobileFocus app for iPhone® & Android™)
- Multiple Control Inputs: mouse/front panel/IR remote controller/EKB500 keyboard
- Built-in record time calculator for fast recording estimation

- Express Setup: A unique menu option for quick & easy installation and setup
- Express Archive: Archive video instantly (to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Review recorded video to identify motion in area(s) of interest
- Snapshot search: choose an interval and direction, view a series of snapshots to quickly isolate incidents
- Remote viewing of live and recorded video, plus configuration support from the built-in web interface
- On-screen PTZ control via mouse or front panel
- Built-in DVD burner
- 2 USB 2.0 ports (1 located on front panel, 1 located on back panel) for video archive and mouse connection
- Multi-language support
- USB Mouse and IR remote control included

## Major Operating Controls

Front Panel



Back Panel



| | | |
|---|---|---|
| 1 USB Port | 8 Menu Navigation Keys | 15 Fast Reverse/Step Reverse |
| 2 Channel Key (1~8) | 9 Copy | 16 DVD Burner |
| 3 Remote IR Receiver | 10 System LEDs | |
| 4 Live | 11 Menu | |
| 5 View | 12 Fast Forward/Step Forward | |
| 6 Sequence | 13 Play/Pause | |
| 7 Search | 14 Reverse Play/Pause | |

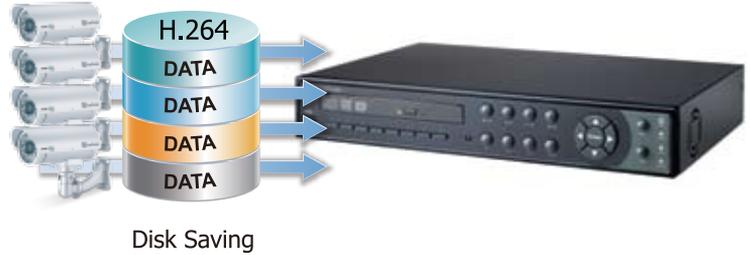| | |
|---|---|
| 1 Main Power In | 7 VGA Main Monitor |
| 2 Alarm In | 8 USB Port |
| 3 RS-485 Connector | 9 Network Connection |
| 4 Audio In/Out | 10 RS-232 Connector |
| 5 Video In | 11 Alarm Out |
| 6 BNC Main Monitor | |

## Real-time and High-resolution Recording

Applying high speed data processing technology across all channels with H.264 full-frame compression, the ECOR264-8D2 can record real time video on all 8 channels. The ECOR264-8D2 also provides simultaneous full speed playback on all channels while recording. Frame rate and resolution can be set independently across the channels according to a user defined schedule to meet specific recording requirements in different applications.



## H.264 Compression Technology

H.264 compression technology is considered to be approximately 1.5 times more efficient in storing video compared with MPEG4. Another benefit from H.264 compression is lower LAN/WAN bandwidth utilization during remote viewing of high resolution images.



Disk Saving

## Convenient Monitoring with web-viewer

The DVR has a built-in web server that enables users to monitor live and playback DVR images without special software, through a web browser, from any supported PC.



Web-viewer Screen

## Dual Streaming

For optimized system performance, the ECOR264-8D2 can simultaneously record and playback at one resolution, plus stream video for web viewing at another. For example, if recording/playing at D1 resolution, dual streaming at CIF resolution allows remote viewing of full motion on all cameras while conserving bandwidth. In this way users can achieve high recording quality, and still deliver smooth remote motion reproduction in low bandwidth environments. The ECOR264-8D2 also offers selectable H.264 or MJPEG second stream format.

## Quick & Easy Search Modes

By selecting among thumbnail images extracted from the recorded video at a user defined interval, at a specific date and time, in response to various types of events, or based on a 'smart search' review of recorded video to identify motion in areas(s) of interest, users can quickly isolate and play back relevant video for efficient review of significant activities.



Snapshot Search

Smart search

## Video Streaming to Mobile Devices

The ECOR264-8D2 supports real time streaming for MAC Safari, FireFox and Opera on PCs, plus mobile monitoring, allowing you the capability to check your home or business on-the-go directly from a variety of web capable mobile devices – FREE! No additional servers or purchased programs required. EverFocus also offers a FREE MobileFocus app for iPhone® & Android™

| | |
|---|---|
| Number of Channels | 8 |
| Compression Format | H.264 |
| Recording Rate/Resolution<br>*Total = 240 FPS @ CIF; per camera resolution & FPS rates can be set independently up to the total capacity | 60 NTSC / 50 PAL (D1)<br>120 NTSC / 100 PAL (Half D1)<br>240 NTSC / 200 PAL (CIF) |
| Playback Rate/Resolution<br>(Playback up to full record rate) | 60 NTSC / 50 PAL (D1)<br>120 NTSC / 100 PAL (Half D1)<br>240 NTSC / 200 PAL (CIF) |
| Dual Streaming | Smart remote viewing up to 240 NTSC/200 PAL (CIF), user controlled |
| Mobile View | Live view on PDA or Smart Phones (MobleFocus FREE app for iPhone® and Android™) plus various web browsers |
| Pentaplex Operation | Simultaneous Live, Recording, Playback, Archive and Remote Viewing |
| Camera Inputs | 8 BNC |
| Main Monitor Output | VGA (800x600 or 1280x1024) or BNC output; selectable from front panel |
| Audio Input/Output | 1 Input / 1 Output (RCA) |
| Recording Modes | Manual, Schedule and Event; or, Set Number of Days |
| Playback Search | Date/Time, Event, Motion in Recorded Video, Snapshot by Interval |
| Alarm Inputs | 8 |
| Alarm Outputs | 1 Alarm Output (form "C" – rated: 12VDC @ 1A) |
| Video Pause | Yes |
| Video Loss Detection | Yes |
| Motion Detection | Yes |
| Event Log | Yes |
| Watch Dog Timer | Yes |
| Video Storage | 1 Internal SATA HDD (optional 500GB, 1TB or 2TB) |
| Built-in DVD Burner | Yes |
| User Interface | GUI (Graphical User Interface) |
| OS | Embedded Linux |
| Network/Protocol | 10/100Mbps Ethernet; TCP-IP/DHCP/PPPoE/DDNS/SMTP/SSL/POP3/HTTP/NTP |
| Control PTZ via OSD | Yes, via mouse or front panel |
| USB | 2 USB 2.0 ports (1 on Front Panel, 1 on Back Panel) |
| Schedule Setting | Supports Express and Advanced Schedule Settings |
| User Access | 3 Levels of User Access Supported |
| RS-232 | Yes (future use) |
| RS-485 | 1 RS-485 (3 Terminal connector) |
| Power Source | 12VDC (from included 110/220VAC power supply) |
| Dimensions (L x W x H) | 320 x 208.9 x 54.3 mm / 12.6" x 8.2" x 2.1" |
| Temperature | 0°C~40°C / 32°F~104°F (20~80% humidity) |
| Certificates | CE, FCC, UL (pending) |
| Supported PTZ Protocols | EverFocus, Pelco D, Pelco P, Samsung, Transparent |

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