

480/400IPS MPEG4 16CH/9CH Network DVR EDR1640/EDR1620/EDR920

USB2.0



Up to 6 Independent
Disk Arrays(EDA800s)
Cascade with one DVR

With Matrix output:
up to 6 Monitors output for one DVR

System Scalability
with Multi-function
keyboard controller



Total of 50 Hard disks (25TB)
Cascade Ability System

Up to 485 days → Entry Level Image

Up to 5 months → Superior Level Image

Recording Rate for EDR1640

- 480/400IPS, 360x240 (NTSC) or 360x288 (PAL)
- 240/200IPS, 720x240 (NTSC) or 720x288 (PAL)
- 120/100IPS, 720x480 (NTSC) or 720x576 (PAL)

Advantages

Unlike tape-based systems, digital recorders capture surveillance video directly to high-capacity hard drives that can store far more video in a given space. In addition, digital recording allows you to instantly access any video, without fast-forwarding or re-winding tapes. Better yet, you can use the built-in software to quickly search through stored images, instead of scanning hours and hours of tape. With networked security systems, you can easily transmit any digitally stored video to remote monitors or locations.

Digital recording systems allow archiving of images on multiple media outlets (USB Ports, compact flash card, SD card).

MATRIX OUTPUTS

4 Call monitor outputs. Free adjustable sequences for each monitor with individual dwell time for each camera. Motion cameras could be displayed on selected monitors and override the sequence. Alarm inputs are able to switch selected cameras to selected monitors (free adjustable) with timeout or manual reset. Alarm inputs are able to switch groups of selected cameras to selected monitors(free adjustable) with timeout or manual reset. (Manually select a single camera to each monitor. Etc.)



FAMILIAR MULTIPLEXER FRONT PANEL OPERATION

The Full-size DVR Series offers familiar multiplexer and VCR style control keys and its user-friendly step-by-step menus simplify the installation and operator training process.



DATA CAN BE ARCHIVED TO USB DRIVER AND STORED IN TWO 3.5" IDE TYPE HDDS

EDR MPEG4 series with 2.0 USB Ports makes it easier to back up the images to a PC. Built in 3.5" IDE type HDD;s for large amounts of storage via hot swap tray



EASY TO OPERATE JOG SHUTTLE

The Jog shuttle can be used to forward, rewind, pause, search and set menus.



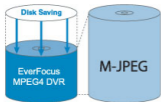
TCP/IP READY

The Full-size series DVR allows the user to remotely monitor your business through a simple TCP/IP connection. The remote viewing software is embedded in the unit and password protected to enable remote monitoring from any secure network connection.

6x recording time than M-JPEG

EverFocus EDR MPEG4 series of digital recorders features a propriety MPEG4 compression technology that allows you to store approximately 4-6x times as much video per gigabyte of disk space than with the conventional compression algorithms. At the same time, the MPEG4 Compression results in less noise and distortion, delivering high-quality images for archiving, playback and storage.

► Comparison



MULTIPLE MOTION DETECTION

Everfocus DVR allows you to configure Multiple detection area masks; (up to 30x24 grid) and freely adjust the motion detection sensitivity of each camera to suit your needs.

- Multiple detection area and adjustable sensitivity level
- Multiple detection area masks.
- Adjustable motion detection sensitivity.



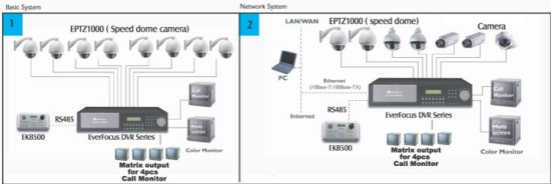
▲ Multiple Motion Detection Area

Intuitive, easy-to-learn interfaces

Like all Everfocus digital systems, our digital recorders are designed to simply and streamline set-up, learning and configuration through simple and easy-to-understand controls and software interfaces.

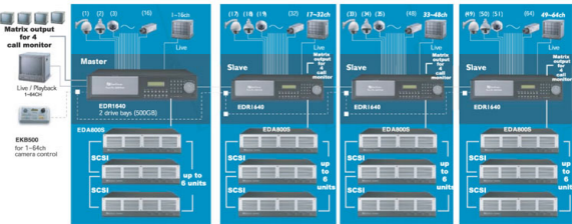
Advantages

System Examples



System Cascade Ability (Unlimited by expanding additional HDDs in Disk Arrays)

EDR MPEG4 series DVR can be cascaded to increase unlimited video inputs. All the cameras can be switched and viewed in live and playback from the master, while each slave unit has its own live viewing monitor.



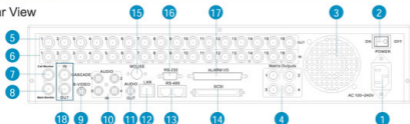
Specifications

Video Format	NTSC/EIA or PAL/CCIR
Video Input	9/16 camera inputs (BNC), 1Vp-p/75ohm
Video Output	1 BNC video out (1Vp-p/75ohm) for Main Monitor 1 BNC video out (1Vp-p/75ohm) for CALL Monitor 1 S-Video out for Main Monitor 9/16 video out (1Vp-p/75ohm) for Looping
Video Compression	MPEG4
Recording Rate	EDR1640:480/400IPS,360x240(NTSC) or 360x288(PAL) 240/200IPS,720x240(NTSC) or 720x288 (PAL) 120/100IPS, 720x480(NTSC) or 720x576(PAL) EDR1620:240/200IPS,360x240(NTSC) or 360x288(PAL) 120/100IPS,720x240(NTSC) or 720x288 (PAL) 60/50IPS, 720x480(NTSC) or 720x576(PAL) EDR920: 240/200IPS,360x240(NTSC) or 360x288(PAL) 120/100IPS,720x240(NTSC) or 720x288 (PAL) 60/50IPS, 720x480(NTSC) or 720x576(PAL)
Video Recording Resolution	Full D1 size: 720x480(NTSC) or 720x576(PAL) Half D1 size:720x240(NTSC) or 720x288(PAL) CIF size:360x240(NTSC)or360x288(PAL)
Video Display	Full, PIP, 4, 7, 9,10,13,16 and 2x2 Zoom for Live Full, 4, 7, 9, 10, 13, 16, 2x2 Zoom for playback
Display Resolution	720x480 (NTSC) or 720x576 (PAL)
Video Pause	Yes
Alarm Input	9/16 Alarm Inputs
Alarm Output	4 Alarm Outputs
Hard Disk Storage	Two Hot-Swap 3.5" IDE Hard Disk for Internal and SCSI controller for External
Recording Mode	Continue, Time-lapse, Schedule or Event recording
Playback Search	By Date/Time or Event (Motion, Video Loss, Alarm)
Multi-Motion Detection	Yes, with configurable detection area(30x24) & sensitivity

Video Loss Detection	Yes
Event Log	Yes
User Interface	Menu Driven
Setup	On screen display setup
User Input Device	Front panel keypad with Shutter/ Jog (Optional for Mouse)
Timer	Built-in real time clock and Auto Time Synchronization with global NTP Server through Internet
Watch Dog Timer	Yes
HDD temperature detection	Yes
Title	12-character title generator for each camera
Ethernet	RJ45 connectors for network communications
Archive	USB 2.0
RS-232	9-pin female connector for local communications
RS-485	Rj 11 connector for remote control PTZ and Keyboard
User Input Device	Keyboard, Mouse, and Keypad
Audio	4 mono (MIC) input, 1 mono (SPEAKER) output
Power Source	AC 100-240V
Power Consumption	185W
Dimension	Full Size of 19" 2U
Weight	6.2kg
Operating Temperature	0 °C to +40 °C

Major Operating Controls

Rear View



1 Main Power socket

2 Power switch

3 Cooling Fan

4 Matrix outputs

5 Video output connectors (video out 1-16)

6 Video input connectors (video in 1-16)

7 Call monitor output

8 Main monitor connector

9 S-Video connector

10 Audio input connectors (audio in 1-2)

11 Audio output connectors

12 LAN connector

13 RS485 connector

14 SCSI connector

15 Mouse connector

16 RS232 connector

17 Alarm input/output

18 Cascade in/out

Special Features:

- Built-in MPEG4 compression/decompression with configurable video quality
- Data can be archived to USB 2.0
- Triplex operation for simultaneous viewing, recording, and playback
- SCSI interface for External expandable storage
- Recording time can be unlimited by expanding additional HDDs in disk arrays
- Event log for video loss, motion detection, alarm input, alarm reset, power on/off
- Radar search functions such as thumbnail video, motion and alarm
- Real-time live display for all cameras
- User-Friendly On-Screen Menu operations with Multi-Language support
- Shuttle/Jog dial for picture-by-picture or fast/slow viewing
- Instant retrieval of stored video
- On-screen setup menu and system timer
- TCP/IP ready; remote monitoring from any secure network connection

- Programmed with various time-lapse speeds
- Two 3.5" Hard Disk with Hot-Swap tray for internal storage
- RS232 and RS485 for Remote Control
- IR remote Controller
- Real-Time Live Display for all cameras
- Alarm and motion activated recording
- 4 channel real time audio recording capabilities
- 1 RJ45 connector for Internet/Intranet connection
- Programmable motion detection area (30x24) for each channel

OPTIONAL COMPONENTS

Extension unit EDA800s (1-8 drive bays for HDD)

- High capacity data storage with space 8 hard disk drives
- Ultra 160 LVD SCSI up to 16 MB/sec transfer rate
- External SCSI port for daisy chain up to 6 disk boxes
- Selectable SCSI ID from 0 to 15
- Supports ATA 133/100/66/33 hard drive
- Supports Ultra DMA mode with data transfer rate up to 133 MB/sec
- Supports 300GB HDD with Big Drives Technology
- Maximum capacity of 25TB by connecting 50 x 500GB hard drives



EKB500

Multi-Function Keyboard Controller

- Capable of Controlling Speed Dome camera, DVR, Access Control and Monitor
- 3D Joystick Control of PTZ function
- LCD Display
- Multi-Protocol Support (EverFocus, enhance protocol; Pelco PID)
- Jog Shuttle Control of DVR



COLOR SURVEILLANCE CAMERAS



EHD350 HQ
Color Rugged Dome Camera



EQ400
Wide-Dynamic Camera



EQ350 HQ
320TVL High-Res. Color Camera



EPTZ1000
Outdoor Speed Dome



EFD200
380TVL Pentax Color Camera



ECZ100
Weather proof 380TVL Camera



ECZ330
Weatherproof IR camera

* All photographs and menus are simulated and shown for the purpose of explanation. Actual images may differ. Weights and dimensions are approximate. Specifications are subject to change without notice.

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