EDSR100H

Compact Size One Channel Digital Video Recorder

EDSR100H

REW / FF

SHUTTLE · JOG

← → ↑ ↓ ENTER BUZZER LOCK MENU

REC REV.PLAY STOP PLAY PAUSE SEARCH COPY DISPLAY

LAN ALARM POWER

EverFocus®

Compact Size One Channel DVR

The EDSR100H is the industry's first full-featured digital video recorder designed specifically for use in security industry, seamlessly combining high-resolution video multiplexing and digital recording.

The EDSR100H at speeds up to 60/50 fields per Second with NTSC/PAL formats and replay event instantly.

The EDSR100H incorporates all the benefits of digital video recording, is simple to install, and operates just like a VCR. The highly efficient compression technology, as well as the superior clarity and detail of recorder images, make the EDSR100H stand out from its competitors as the best choice for security surveillance.
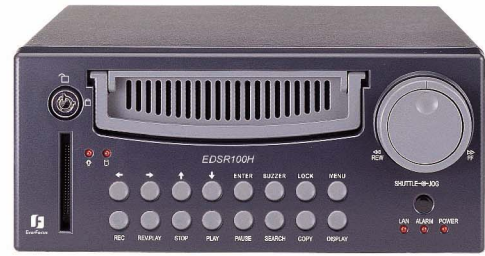
Features

- Digital Recording provides superior quality images
- Hard-disk hot-swapping capability
- Pre-Alarm image recording
- Compatible with most multiplexers
- Time lapse and real time recording
- Refresh rate up to 60 fields per Second (50 fields per Second for PAL)
- Quick Search by date/time, alarm events, and recording list
- Fast and slow playback of recorded video in various speeds
- On-screen setup menu and system timer

- Multi-level password protection
- RS-232/RS-485 communication port
- Highly stable non-PC based proprietary system
- Built-in M-JPEG compression/decompression with configurable quality
- Audio recording capability
- Programmed with various time-lapse speeds, Data can be stored in Compact Flash Card.
- Operation status record log

Front Panel Keypads
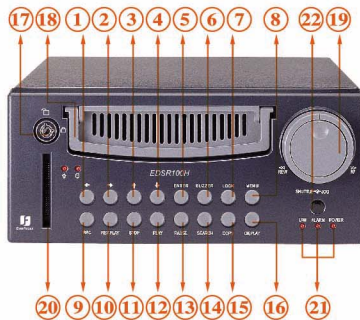
① Left Button		⑫ PLAY	
② Right Button		⑬ PAUSE	
③ Up Button		⑭ SEARCH	
④ Down Button		⑮ COPY	
⑤ ENTER		⑯ DISPLAY	
⑥ BUZZER		⑰ HDD KEY	
⑦ LOCK		⑱ HARD DISK TRAY	
⑧ MENU		⑲ Shuttle and Jog Dial	
⑨ REC		⑳ Compact Flash CARD SLOT	
⑩ REV. PLAY		㉑ LEDs	
⑪ STOP		㉒ Remote Control	

Back Panel Connections
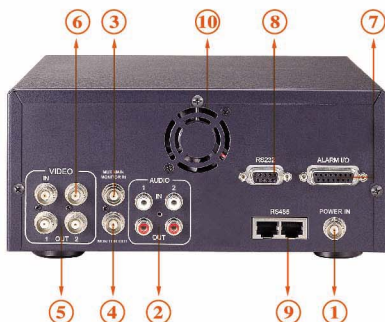
① POWER IN
② AUDIO IN AND OUT
③ MUX MAIN MONITOR
④ MONITOR
⑤ VIDEO IN AND OUT
⑥ VIDEO LOPPING
⑦ ALARM INPUT AND OUTPUT
⑧ RS232 CONNECTOR
⑨ RS485 CONNECTOR
⑩ FAN

Time Lapse Mode Recording Time

Lower : 15 kB   Basic : 25 kB   High : 35 kB
Low : 20 kB   Standard : 30 kB   Superior : 40 kB

NTSC

Recording Speed (Hour)	Recording Rate (field/Sec)	PICTURE QUALITY					
		LOWER	LOW	BASIC	STANDARD	HIGH	SUPERIOR
2	60	24H	18H	14H	12H	10H	9H
6	15	98H	74H	59H	49H	42H	37H
12	8.571	172H	129H	103H	86H	74H	64H
24	4.615	321H	240H	192H	160H	137H	120H
48	2.4 61	7H	463H	370H	308H	264H	231H
72	1.622	913H	685H	548H	456H	391H	342H
96	1.224	1210H	907H	726H	605H	518H	453H
168	0.706	2098H	1573H	1259H	1049H	899H	786H
480	0.249	5949H	4462H	3569H	2974H	2549H	2231H
720	0.166	8924H	6693H	5354H	4462H	3824H	3346H
960	0.125	11851H	8888H	7111H	5925H	5079H	4444H

(Estimations based on 80GB HDD)

PAL

Recording Speed (Hour)	Recording Rate (field/Sec)	PICTURE QUALITY					
		LOWER	LOW	BASIC	STANDARD	HIGH	SUPERIOR
3	50	29H	22H	17H	14H	12H	11H
6	16.667	88H	66H	53H	44H	38H	33H
12	10	148H	111H	88H	74H	63H	55H
24	5.556	266H	200H	160H	133H	114H	100H
48	2.941	503H	377H	302H	251H	215H	188H
72	2	740H	555H	444H	370H	317H	277H
96	1.515	977H	733H	586H	488H	419H	366H
168	0.877	1689H	1266H	1013H	844H	724H	633H
480	0.311	4763H	3572H	2858H	2381H	2041H	1786H
720	0.207	7156H	5367H	4294H	3578H	3067H	2683H
960	0.156	9646H	7122H	5698H	4748H	4070H	3561H

Reference: 24H=1 day, 168H=1 week, 720H=1 month, 8760H=1 year

(Estimations based on 80GB HDD)
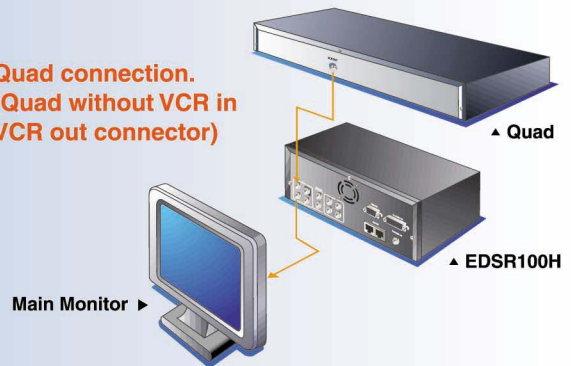
System Connecting

▶ **One Camera Connection.**

Main Monitor ▶

▲ EDSR100H

▲ Camera
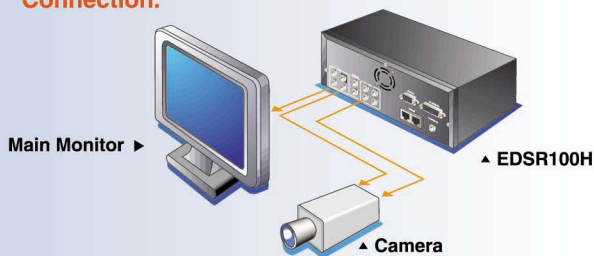
▶ **Multiplexer Connection.**

▲ Multiplexer

Main Monitor ▶

▲ EDSR100H

▶ **Quad Connection. (Quad with VCR in VCR out connector)**

▲ Quad

Main Monitor ▶

▲ EDSR100H

▶ **Quad connection. (Quad without VCR in VCR out connector)**

▲ Quad

Main Monitor ▶

▲ EDSR100H

▷ Specifications

Model No:	EDSR100H (Compact Size One Channel Digital Video Recorder)
Video Input	1 video input with loop through (BNC), 1Vpp/75ohm
Video Output	1 video output (BNC), 1Vpp/75ohm
Video Compression	M-JPEG
Video Resolution	720x484 (NTSC); 720x576 (PAL)
CompactFlash Memory	Yes, Built-in Compact Flash card slot
Alarm Input	Yes
Alarm Output	Yes
Audio	2 inputs ; 2 outputs
Video Loss Detection	Yes
RS-232	9-pin female connector
RS-485	RJ11 Connector
Event Log	Yes
Hard Disk Storage	3.5" IDE type, Hot- swappable
Recording Mode	Continuous, Time-lapse recording, Timer or Event Recording
Recording Rate	up to 60/50 fields per Second for NTSC/PAL
Playback Rate	up to 60/50 fields per Second for NTSC/PAL
Playback Search	By Date/Time or Event or Segment
Setup	On screen display setup
User Interface	Menu Driven
User Input Device	Front Panel Keypad
Timer	Built-in real time clock
Watch Dog Timer	Yes
Power Consumption	39W
Power Source	AC100~240V
Dimension	320.8mm (L) x 215mm (W) x 100mm (H)
Operating Temperature	0ºC~+40ºC

• Design and specifications are subject to change without prior notice
• Based on United States Federal Regulation: It's required to post warning sign if an audio devices is used in conjunction with this machine.

▷ Ordering Information

EDSR100H/80: One Channel Digital Video Recorder with 80GB HDD

EDSR100H/160: One Channel Digital Video Recorder with 160GB HDD

Distributed by

® EverFocus Electronics Corp.

Head Office:
12F, No.79 Sec. 1, Shin-Tai Wu Road, Hsi-Chi, Taipei, Taiwan
Tel: 886-2-2698-2334   Fax: 886-2-2698-2380
http://www.everfocus.com.tw
E-mail: marketing@everfocus.com.tw

USA Office:
2445 Huntington Drive, San Marino, CA 91108, U.S.A.
Tel: 1-626-844-8888   Fax: 1-626-844-8838
Toll Free: 1-888-383-6287 or 1-888-EV-FOCUS
http://www.everfocus.com
E-mail: sales@everfocus.com

Japan Office:
1809 WBG Maribu East 18F, 2-6 Nakase, Mihama-ku, Chiba city
261-7118, Japan
Tel: 81-43-212-8188   Fax: 81-43-297-0081
http://www.everfocus.com
E-mail: salesjapan@everfocus.com

Beijing Office:
Room 609, Technology Trade Building, Shandgdi Information
Industry Base, Haidian District, Beijing, China
Tel: 86-10-62971096   Fax: 86-10-62971432
http://www.everfocus.com.tw
E-mail: marketing@everfocus.com.tw

European Office:
Albert-Einstein-Strasse 1, D-46446 Emmerich, Germany
Tel: 49-2822-9394-0   Fax: 49-2822-939495
http://www.everfocus.de
E-mail: info@everfocus.de

MKE-EDSR100HL