

# EDSR100

Digital Single Channel Recorder



# DIGITAL INTEGRATION SYSTEM

## FOR SECURITY SURVEILLANCE



*The EDSR100 single channel digital video recorder is the first true VCR replacement designed particularly for the security industry, seamlessly combining high-resolution video multiplexing and digital recording. The EDSR100 can record at speeds up to 60/50 images per second with NTSC/PAL formats and*

*replay events instantly. The EDSR100 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 recorded images, make the EDSR100 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 (50 fields 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 communication port
- Remote live and recorded video viewing through Ethernet connection
- 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 CompactFlash
- Operation status record log

### ► Advantages

#### FAST AND SLOW PLAYBACK OF RECORDED VIDEO WITH VARIOUS SPEEDS TO CHOOSE

Versatile high-speed operation including segment search, alarm search and date/time search playback.

#### INTEGRATE EASILY WITH MULTIPLEXES AND OTHER EQUIPMENTS

The EDSR100 directly replaces the time-lapse video recorder in your existing CCTV system. It accepts single video feed from one camera, a quad or a multiplexer.

#### DATA CAN BE STORED IN CompactFlash

Cards inserted in the CompactFlash card slot make it easier to back up recordings and transfer images to PC.



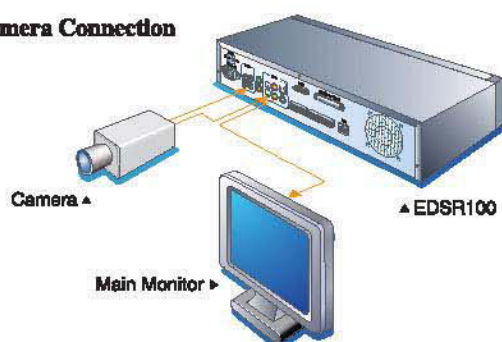
#### EASY TO OPERATE JOG SHUTTLE

The jog shuttle can be used to forward, rewind, pause, search and menu setting.



### ► System Connecting

#### One Camera Connection



#### Multiplexer Connection





# EDSR100

## ▶ Time Lapse Mode Recording Time

### NTSC

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

Recording Speed (Hour)	RecordingRate (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	617H	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

(In Case of 80 GB HDD)

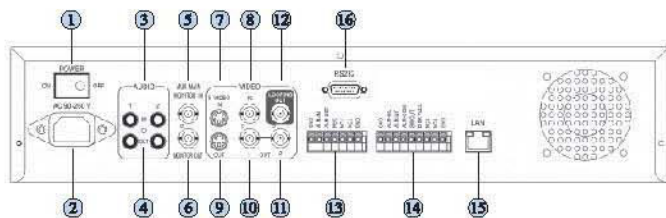
### PAL

Recording Speed (Hour)	RecordingRate (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

(In Case of 80 GB HDD)

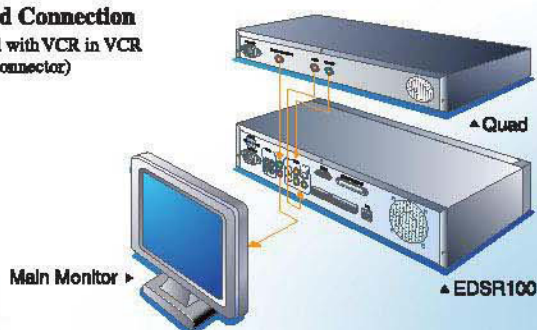
## ▶ Major Operating Controls

### Back View



- ① POWER SWITCH
- ② MAIN POWER PLUG
- ③ AUDIO IN
- ④ AUDIO OUT
- ⑤ MUX MAIN MONITOR
- ⑥ MONITOR
- ⑦ S-VIDEO IN
- ⑧ VIDEO IN
- ⑨ S-VIDEO OUT
- ⑩ VIDEO OUT(1)
- ⑪ VIDEO OUT(2)
- ⑫ VIDEO LOOPING
- ⑬ ALARM INPUT
- ⑭ ALARM OUTPUT
- \*\* ⑮ LAN CONNECTOR
- ⑯ RS232 CONNECTOR

### Quad Connection (Quad with VCR in VCR out connector)



### Quad Connection (Quad without VCR in VCR out connector)



## ► Specifications

<b>Video Input</b>	1 video input with loop through (BNC), 1 Vpp/75ohm; 1S-Video input
<b>Video Output</b>	1 video output (BNC), 1Vpp/75ohm; 1 S-Video output
<b>Video Compression</b>	M-JPEG
<b>Display Resolution</b>	720x484 (NTSC); 720x576 (PAL)
<b>Video Resolution</b>	720x484 (NTSC); 720x576 (PAL)
<b>CompactFlash Memory</b>	Yes, Built-in CompactFlash card slot
<b>Alarm Input</b>	Yes
<b>Alarm Output</b>	Yes
<b>Audio</b>	2 mono (MIC) input; 2 mono (Speaker) output
<b>Video Loss Detection</b>	Yes
<b>** Ethernet</b>	RJ45 connector
<b>Event Log</b>	Yes
<b>Hard Disk Storage</b>	3.5" IDE type, Hot- swappable
<b>Recording Mode</b>	Continuous, Time-lapse recording, Timer or Event Recording
<b>Recording Rate</b>	60/50 fields per second for NTSC/PAL
<b>Playback Rate</b>	60/50 fields per second for NTSC/PAL
<b>Playback Search</b>	Date/Time or Event
<b>Setup</b>	On screen display setup
<b>User Interface</b>	Menu Driven
<b>User Input Device</b>	Front Panel Keypad
<b>Timer</b>	Built-in real time clock
<b>Watch Dog Timer</b>	Yes
<b>RS-232</b>	9 pin female connector
<b>Power Source</b>	AC90~265V
<b>Dimension</b>	430mm (L) x 88mm (W) x 300mm (H)
<b>Operating Temperature</b>	0°C~+50°C
<b>Weight</b>	5.2kg
<b>Power Consumption</b>	39W

• Design and specifications are subject to change without prior notice

• Based on United States Federal Regulation: Custom has to post warning sign if an audio device is used conjunction with this machine."

\*\*Will be available in the future

## ► Ordering Information

**EDSR100-N:** Digital Single Channel Recorder, NTSC,  
AC90~265V

**EDSR100-P:** Digital Single Channel Recorder, PAL,  
AC90~265V

Distributed by



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