DVR
Digital Recording Systems

MPEG4 Series

↴ EDR880/1680

16 channel Real-time Digital Video Recorder

16/8 CH | MPEG-4 | 2bay | Jog Shuttle

USB | LAN | Playback Rec ● Live — Multiple function | 30 fps Real-Time recording | 30 fps Real-Time playback

30 fps Real-Time Display | Audio I/O | OSD User interface | Motion Detection | VGA Monitor out User interface

Specification

Video Format	NTSC/EIA or PAL/CCIR, DIP switch selectable		Ethernet	1 RJ-45 connector for internet/ intranet connection
Video Input	16 camera inputs, 1Vp-p/75ohm		SCSI	Optional connector for backup devices (reserved)
Video Loop-through	16 camera loop-through outputs, 1Vp-p/75ohm		RS-232	2 DB-9 male connectors, 1 for modem connection, 1 for PTZ control
Video Output	Main Monitor 1 BNC composite video output, 1Vp-p/75ohm 1 mini-din S-video output, 1Vp-p/75ohm 1 D-SUB 15-pin computer monitor output Call Monitor 1 BNC composite video output, 1Vp-p/75ohm		PTZ Control	Support famous brand of PTZ cameras
			Active-X Support	Video/audio, alarm inputs, alarm outputs, etc.
			Remote Alarm Notification	Yes, e-mail, dial-out, etc.
			Motion Detection	Yes, with configurable detection area (16x12) & sensitivity
			Video Loss Detection	Yes
			Event Log	Yes
Video Compression	MPEG-4		User Interface	OSD menu driven
Video Resolution	Up to 720x480 (NTSC) or 720x576 (PAL)		Front Panel LCD	Alarm Message, HDD Status, System Action, Time
Video Display	1/4/7/9/10/13/16 video windows, 16 million colors		Front Panel LED	Power, Link, Traffic, HDD active 1, HDD active 2
Display Resolution	640x480 for NTSC, 800x600 for PAL		Front Panel ID switch	For I/R remote control
Video Freeze	Yes		Setup	On screen setup
Sequential Switch	Programmable, with adjustable dwell time (5-100 seconds)		User Input Device	Keypad & jog-shuttle, and/or IR remote controller, 1 I/R remote controller can control up to 4 eDRs
Audio Input	4, synchronized with video 1-4 respectively			
Audio Output	1, different audio channels can be mixed together		Language	Multi-lingual, including English, German, Spanish, Chinese,Japanses, etc.
Total Recording Fram Rate	480 FPS			
Alarm Input	16 inputs, Contact or TTL/CMOS singal, Polarity selectable		Buzzer	Yes
			Timer	Built-in real time clock
Alarm Output	4 Normally open, 4 normally closed relay outputs		Watch Dog Timer	Yes
			Title	10-character title generator for each camera, alarm input, and alarm output
Hard Disk Storage	Up to 2 sets of Hard Disks: one non-removable, one hot swappable		Flash Memory	64 MB
Hard Disk Type	IDE Type, 3.5" half height		Security	Multi-level password protection
Backup Device	1 set of IDE type CD/RW for video/audio backup		System Recovery	Auto power on after power loss recovery
			Power Source	110V/220V AC, selectable
Recording Rate	Up to 30 fps (NTSC) or 25 fps (PAL) per camera		Dimension	430(W)x360(D)x110(H)mm
			Weight	5.2 kgs
Pre-record Time	Up to 10 seconds		Operating Temperature	0℃ ~ +40℃
Live Display Rate	Up to 30 fps (NTSC) or 25 fps (PAL) per camera			
Playback Rate	Up to 30 fps for NTSC, 25 fps for PAL per camera			

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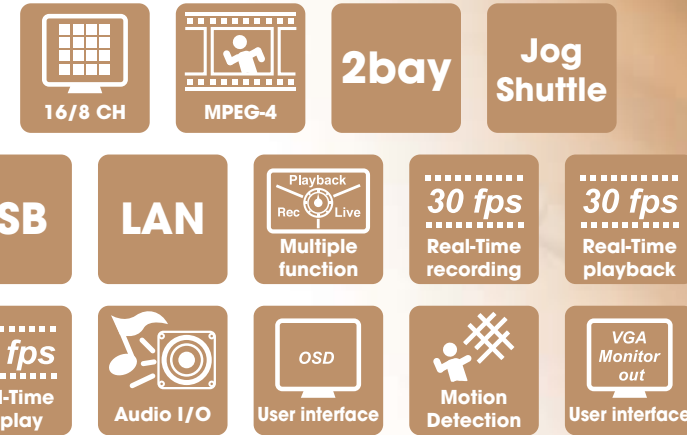
Features

- 16 CH Real-Time DVR
- Quadruple operation: Recording, Live, Playback, & Remote viewing
- 16 Color and/or B/W camera inputs (NTSC/PAL)
- MPEG-4 compression with resolution up to 720x480 (NTSC) / 720x576 (PAL)
- Real time recording (up to 30/25 fps) per channel
- Real time live display (up to 30/25 fps) per channel
- Real time playback (up to 30/25 fps) per channel
- 16/13/10/9/7/4 windows or full-screen display
- 4 audio inputs, 1 audio output
- Synchronized video & audio
- Video/audio storage in 1 built-in IDE HDD, 1 hot swappable IDE HDD
- Programmable storage for highest surveillance availability.
- 1 IDE CD/RW for video/audio backup
- Non-editable video/audio data
- Motion detection with programmable area and sensitivity for each camera
- Alarm processor with configurable triggering conditions and reactions
- Alarm history log for Video Loss, Motion, Alarm input, etc.

- Pre-record time: up to 10 seconds (160/80 MB memory needed)
- Sophisticated PTZ control functions, including Pan, Auto pan, Tilt, Zoom, Focus, Speed, Preset locations, Sequence, etc.
- RS232 ports for modem connection and PTZ control
- Optional SCSI connector for additional backup devices
- Ethernet connector for internet/intranet access
- Remote alarm notification via e-mail, dial-out, etc.
- Internet WEB server capability
- Active-X support for third-party software integration & networking CCTV applications
- Multi-level password to ensure high degree of security
- Multi-lingual support
- TV monitor out and VGA monitor out
- Call (spot) monitor out
- Front panel LCD & LEDs
- Input devices: Keypad & Jog-shuttle, and I/R remote controller (1 I/R remote controller can control up to 4 eDRs)
- Built-in Compact Flash, power off data protection, power on and run
- Built-in RTC
- Hardware WDT

Ordering Information

- **EDR480/N:** 4 Channel Real-time Digital Video Recorder, NTSC
- **EDR480/P:** 4 Channel Real-time Digital Video Recorder, PAL
- **EDR880/N:** 8 Channel Real-time Digital Video Recorder, NTSC

- **EDR880/P:** 8 Channel Real-time Digital Video Recorder, PAL
- **EDR1680/N:** 16 Channel Real-time Digital Video Recorder, NTSC
- **EDR1680/P:** 16 Channel Real-time Digital Video Recorder, PAL