



## Everfocus 16-channel Duplex Digital Video Recorder

The new **EDSR-1600 (16-channel)** digital video recorders offer all digital video recording benefits and are easy to install and operate like a custom VCR. Moreover, the 16 channel devices are the first Digital Video Recorders with an **integrated 16x4 basic matrix function**. Existing multiplexer can be connected via a switch output. **Alarms** are managed via external alarm inputs and outputs. The advantages of digital recording are obvious. The constant **superior quality up to DVD resolution** allows a detailed recognition during image evaluation. The recorded images are **archived on exchangeable hard disks**; alternatively, single images and image sequences can be stored on a Compact Flash card and can be evaluated via free downloadable players (e.g. QuickTime) on a standard PC. For flexible and individual data evaluation of hard disk out of EDSR series' digital video recorders via local PC, the **Hard disk Reader EPR 100** has been developed. It is connected to the PC via the USB port; the included driver software allows easy installation. Data evaluation of single images, video streams and multiscreen sequences is possible through search criteria such as time/date, hard disk segment and event. For further evaluation, all data can be archived and managed locally. EDSR-1600 can operate as easily as an analog time lapse VCR. The **Jog & Shuttle function** allows up to 600-x forward and reverse playback without any image interferences, as well as single image playback. Optionally, both DVR can be **operated via the RS-232 interface or an infrared remote control**.

### Specifications

**Video format:** PAL / CCIR

**Display format:** 1, 4, 6, 7, 8, 9, 10, 13, 16 multiscreen,  
 Picture in Picture, 2x digital zoom (live and playback mode), duplex mode

**Video input:** 16 camera inputs 1 Vp-p composite PAL, BNC, automatic 75 Ohm termination

**Video output:** 16 loop-through video outputs 1 Vp-p at 75 Ohm, BNC  
 1 main monitor output, 1 Vp-p at 75 Ohm, BNC  
 1 S-video output mini DIN, for main monitor  
 1 call monitor output, 1 Vp-p at 75 Ohm, BNC  
 4 matrix monitor outputs, 1 Vp-p at 75 Ohm, BNC

**Video compression:** 6-step M-JPEG

**Recording resolution:** 720 x 576

**Hard disk storage:** 2 x 3,5" IDE "hot swap" HDD

**Recording rate:** 0,1 ~ 50 IPS

**Playback rate:** 0,1 ~ 50 IPS

**Recording modes:** continuous, timer, alarm and motion recording

**Playback search:** by date / time or event

**Video pause:** yes

**Video loss detection:** yes

**Motion detection:** 14 x 10 grids per camera with adjustable sensitivity

**Event log:** yes

**Alarm input:** 16 alarm inputs, 1 alarm reset input

**Alarm output:** 1 alarm relay output  
**Audio input:** 2 mono inputs, cinch  
**Audio output:** 2 mono outputs, cinch  
**Setup:** on-screen display  
**Control:** front panel, IR remote control, RS-232, network, RS-485 keyboards KS KBJ and KS KBK  
**Timer:** max. 12 different timer periods per week  
**Title:** 12-characters title generator for each camera  
**Image export:** Compact Flash, network  
**Ethernet:** RJ45, 10 MBit interface  
**RS-232:** 9-pin Sub-D for remote control  
**RS-485:** 2 x RJ45 for remote control  
**Watchdog function:** yes  
**Password protection:** for menu and record function  
**Power source:** 100 ~ 240 V AC  
**Power consumption:** 60 W max  
**Operating temperature:** 0°C ~ +40°C  
**Dimensions:** 19", 2 HU,  
430 (W) x 88 (H) x 300 (D) mm  
**Weight:** 7,3 kg

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