

# Video Security

Recorders | eneo Digital Video Recorders

## DPR-2016/500D

Digital Video Recorder (16-Chann.), 500GB  
HDD, DVD, Pentaplex, Ethernet, 230VAC

Art-No. 71955



## Features

MPEG-4 Video Compression / Pentaplex Operation  
Recording Speed 400 Fields/Sec. max.  
4 Removable HDDs max., CD/DVD-RW Writer included  
Video Resolution 720x576 Pixels max.  
Real-Time Mirroring  
Motion Detection / Object Detection

16 Loop-through Inputs / VGA, Comp., S-VHS Outputs  
Audio, Alarms and Auxiliary Inputs / Outputs  
RS-232 / RS-485 Interfaces  
Secondary Storage/Archiving via USB and SCSI Ports  
ATM/POS Text Insertion / 2x to 4x Digital Zoom  
Ethernet Connectivity / IR Remote Control

## Specifications

<b>Simplex/Duplex/Triplex/Pentaplex operation</b>	Pentaplex (Live/Recording/Playback/Network/Backup w./o. loss of performance)
<b>Operation mode</b>	pentaplex
<b>Video standard</b>	PAL/NTSC (automatic selection)
<b>Video inputs (amount)</b>	16
<b>Video inputs</b>	16x 1Vp-p, (C)VBS, 75ohms, BNC, looping inputs
<b>Main exits</b>	CVBS, VGA, Y/C
<b>Video outputs</b>	1Vp-p, (C)VBS, 75ohms, BNC Y/C: Y=1Vp-p, 75ohms C=0.3Vp-p
<b>Monitor outputs</b>	4x Spot 1Vp-p, (C)VBS, 75ohms, BNC 1x VGA
<b>Spot monitor</b>	CVBS
<b>Audio inputs</b>	16, 16x line-in, Cinch
<b>Audio output</b>	1x line-out, RCA socket
<b>Alarm inputs</b>	16x TTL, programmable as NC/NO
<b>Activity detection</b>	24x30 grid, Sensitivity levels: 5
<b>Alarm out</b>	On system and disk fail
<b>Alarm outputs</b>	12x TTL, open collector (terminal block)
<b>Alarm notification</b>	E-Mail, Pager, Remote SW (RAS+)

(Specifications continued)

<b>Alarm processing</b>	Programmable automatic alarm multiscreens
<b>Alarm reset input</b>	1x TTL
<b>Event Logs</b>	No limit for alarm-in, motion, video loss, text-in
<b>System logs</b>	Up to 5,000 for user login/out, config. changes, remote access, connects/disconnects and errors, disk read and write errors
<b>Max. recording resolution</b>	704 x 576 (D1)
<b>Resolution</b>	CVBS/PAL: 720x576 Pixels VGA: 720x576, 800x600px. (Display)
<b>Compression standard</b>	MPEG4
<b>Image size</b>	Low: 6,7/8kB, Standard: 15/18kB, High: 30/36kB, Super High: 66,7/80kB (NTSC/PAL). Mode: "High Resolution/4CIF"
<b>Max. recording rate</b>	400HB/Sek.
<b>Recording speed</b>	400 Fields/sec. at CIF/2CIF (352x288/704x288 Px.), 200 Fields/sec. at 4CIF (704x576 Px.) PAL
<b>Digital storage media</b>	SATA HDD's, Built-in CD/DVD-RW
<b>Max. harddisk capacity (internal)</b>	2000GB, 500GByte, up to 4 internal HDD's possible
<b>Harddisk capacity (internal)</b>	500GB
<b>Pre-alarm recording</b>	Up to 30min.
<b>Post-alarm recording</b>	Up to 15min.
<b>Playback</b>	1, 4-, 3+4-, 9-, 2+8-, 1+12-, 16-channel Split, PIP
<b>Playback speed</b>	400 Fields/sec. at CIF (336x272 Px. / PAL) and duplex
<b>Monitor display</b>	Real time: 25 Fields/sec. (PAL), 30 Fields/sec. (NTSC) per camera
<b>Zoom function</b>	2x~4x
<b>Covert camera operation</b>	programmable
<b>Intergrated writer</b>	CD, DVD
<b>Archiving</b>	With EIDE, SCSI and USB HDD's. Real-time mirroring
<b>Secondary Storage</b>	via USB 2.0, SCSI Interface, or built-in CD/DVD-RW writer. Network Data Export: Clip Player, AVI, JPG, BMP
<b>Control units (external)</b>	system keyboard, mouse
<b>Remote control</b>	Wireless remote control enabled
<b>Remote access</b>	remote software, browser
<b>Remote Software</b>	For remote administration and search function (RAS plus, supplied with the unit)
<b>Time synchronization</b>	Via Network time protocol. Operation as Network time server
<b>Search function</b>	Date/Time, Calendar, Event, Motion, Museum, Text and Bookmark
<b>Menu languages</b>	German, English, Italian, French, Spanish
<b>Ethernet interface</b>	10Base-T/100-Base-TX, RJ-45
<b>Transmission rate (Network)</b>	100 Fields/sec. (CIF), 50 Fields/sec. (2CIF), PAL
<b>Interfaces external storage</b>	SCSI, USB, 3x USB 2.0

## DPR-2016/500D

(Specifications continued)

<b>Serial interfaces</b>	RS-485, RS-232, RS-485 for telemetry control (proved protocols: eneo-Fastrax, Pelco P/D) or remote keyboard control, RS-485 for telemetry control (proved protocols: eneo-Fastrax, Pelco P/D) or remote keyboard control
<b>Text insertion interface</b>	ATM/POS, 10 chann. max.
<b>Security</b>	Key lock, 64 user groups access rights programmable for each group (up to 256 user)
<b>Supply voltage</b>	100VAC~230VAC, 50/60Hz
<b>Power consumption</b>	approx. 240watts
<b>Temperature range (Operation)</b>	+5°C ~ +40°C
<b>Housing</b>	Steel metal with plastic front, desktop design
<b>Colour</b>	Pantone 477C
<b>Dimensions (HxWxD)</b>	177x430x504mm
<b>Weight</b>	16kg
<b>Parts supplied</b>	IR Remote control unit, 19" Rack mount kit, Mains cable, Viewer CD ROM (RAS+), Screw set and flat cable for HDD assy, Manuals

## Accessories

<b>71956 / HDD-500J</b>	Hard Disk Drive 500GB, SATA for DPR-2016 & BTR-31xx Series
<b>74088 / EDC-KBD1</b>	System Keyboard with 3-axis Joystick, 12VDC/230VAC
<b>74092 / EDC-KBDM-3</b>	System Keyboard w. Joystick, 5" Monitor 12VDC/230VAC, Fastrax Protocol
<b>71902 / DVR-MOUSE</b>	USB Mouse for Recorder Series DTR (DXR), DPR and DLR3