



## DLR4-16/4.5TBDV

Article-No.: 75016

Digital Video Recorder (16 Channels),  
H.264, 4.5TB, 400fps, 704x576, DVD-RW

### Mainfeatures

Pentaplex operation  
Recording speed: 400 ips max.  
16 loop-through inputs / VGA, composite outputs  
Secondary storage / Archiving via USB 2.0 & DVD RW  
Live picture & playback zoom (4x)

H.264 video compression standard  
Video resolution: 704x576 px. max.  
Network connectivity (10/100Base-T Ethernet)  
4500Gbyte SATA HDD (no HDD extension possible)  
Browser access & RASPlus/RAS mobile remote control

### Specifications

Series	eneo DLR
Operation mode	Pentaplex
Operation Mode	Live, Playback, Record, Network, Backup
Video standard	PAL/NTSC (automatic selection)
Video inputs (amount)	16
Video inputs	1Vp-p, (C)VBS, 75ohms, BNC (loop-through)
Main exits	VGA, composite (CVBS)
Video outputs	1Vp-p, 75ohms, BNC
Spot monitor	composite (CVBS)
IP channels	-
Audio inputs	-
Alarm inputs	16x TTL, programmable as NC/NO
Motion detector	32x24 (768) grid per camera, Sensitivity levels: 5. Minimum size for detection: 256 levels. Video signal obscuration and video signal blind detection.
Alarm recording	event, pre- and post alarm, panic and video loss
Covert Camera Recording	available
Alarm out	On system and disk fail





## Specifications (continued)

Acoustic alarm display	ON/OFF switchable
Alarm outputs	2x NO/NC contact
Alarm notification	e-mail, remote software (RASplus), callback
Alarm reset input	TTL input
Event Logs	No limit for alarm-in, motion, video loss, text-in
System logs	Up to 5,000 for user login/out, config. changes, remote access, connects/disconnects and errors, disk read and write errors
Max. recording resolution	704 x 576
Resolution	720x576 Pixels (Display)
Compression standard	H.264
Compression standard	(H.264: advanced compression engine provides smaller data size without significant picture quality distortion)
Image size	Low: 2/2.4kB, Standard: 4/4.8kB, High: 6/7.2kB, Very high: 8/9.6kB (NTSC/PAL), at CIF resolution
Max. recording rate	400 B./Sek.
Max. recording rate	@ 352 x 288
Recording speed	400 ips. at CIF (352x288 Px.), 200 ips. at 2CIF (704x288 Px.), 100 ips. at 4CIF (704x576 Px.) / PAL
Digital storage media	SATA hard disk
Harddisk capacity (internal)	4,5 TB
Max. harddisk capacity (internal)	6 TB
Recording modes	Continuous, Time-lapse, Motion Detection, Text-in, Pre-alarm, Panic
Digital signature	watermark
Pre-alarm recording	up to 30min.
Post-alarm recording	up to 15min.
Playback	full screen, 4 channel split, 9 channel split, 16 channel split, PiP
Playback speed	400 ips. at CIF (352x288 Px.), 200 ips. at 2CIF (704x288 Px.), 100 ips. at 4CIF (704x576 Px.) / PAL
Monitor display	real time: 25 ips (PAL), 30 ips (NTSC) per camera
Zoom function	2x~4x
Search function	Date/Time, Record table, Calendar, Event, Motion, Museum, Text-In
Integrated writer	DVD
Secondary Storage	via USB 2.0: HDD, Flash drive, built-in SATA DVD RW. Network Data Export: Clip Player, AVI, JPG, BMP
Control units (external)	system keyboard, mouse
Remote control	included
Remote access	browser, remote software
Remote Software	For remote administration and search function (RASplus, Webguard, supplied with the unit)
Scheduling	Different schedule for 7 days per week, programmable holidays, hour-by-hour configuration, time-lapse, event-driven, 2 mixed independent time-lapse schedules
Menu languages	German, English, French, Italian, Spanish, Dutch, Danish, Polish, Russian, Czech, Hungarian
Network	10/100 Base-Tx, RJ45
Network protocols	TCP/IP, DHCP, SMTP, PPPoE
Transmission rate (Network)	100 ips (CIF), 50 ips (2CIF), PAL





## Specifications (continued)

Interfaces external storage	USB
Interfaces external storage	2x USB 2.0
Serial interfaces	RS-485, RS-232
Serial interfaces	RS-485 for telemetry control (proved protocols: eneo-Fastrax, Pelco P&D) or remote keyboard control
Text insertion interface	ATM/POS, 10 chann. max.
Password protection	64 groups, 256 users
Supply voltage	100VAC ~ 240VAC, 0.6A 50/60Hz
Power consumption	40W
Temperature range (operation)	+5°C ~ +40°C
Housing	Steel metal with plastic front, desktop design
Colour	Pantone 427C
Dimensions (HxWxD)	88x430x405mm
Weight	7.4kg
Parts supplied	IR Remote control unit, 19" Rack mount kit, Power supply unit 100~240VAC / 2A with Mains cable, Viewer CD ROM (RASplus), Manuals
Certificates	CE

## Optional Accessories

Image	Artikel-Nr. / Typ	Description
	EDC-KBDM-3	System Keyboard w. Joystick, 5" Monitor 12VDC, Fastrax Protocol
	EDC-KBD1	System Keyboard with 3-axis Joystick, 12VDC
	KBD-2	System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC
	KBD-NSC-100	Network System Controller with 3-Axis Joystick and Jog Shuttle, 5VDC

## Optional Accessories (continued)

Image	Artikel-Nr. / Typ	Description
	DVR-MOUSE	USB Mouse for Recorder Series DTR, DPR, BLR and DLR3/4 - PS/2, USB
	USB-8COM	Serial Text Interface Converter 8x RS232 for DLR-/DTR -/DPR-/DMR-series
	RAS+	Remote Administration Interface Software for DLR, DMR, DTR, DCR, DPR, DIR DVRs
	RAS MOBILE	PDA Remote Monitoring Software for DLR, DMR, DCR, DTR, DPR Recorders

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