

# DLR4-16/1.5TBDV

Home | Security | Recording | Recorders

DLR4-16/1.5TBDV  
Digital Video Recorder (16 Channels), H.264,  
1.5TB, 400fps, 704x576, DVD-RW

Art-Nr. 73192



## Main Features

<b>Pentaplex operation</b>	<b>Secondary storage / Archiving via USB 2.0 &amp; DVD RW</b>
<b>H.264 video compression standard</b>	<b>Storage capacity: 1500GB (3 HDDs max.)</b>
<b>Recording speed: 400 ips max.</b>	<b>Live picture &amp; playback zoom (4x)</b>
<b>Video resolution: 704x576 px. max.</b>	<b>Browser access &amp; RASPlus/RAS mobile remote control</b>
<b>16 loop-through inputs / VGA, composite outputs</b>	<b>IR remote control and mouse control</b>
<b>Network connectivity (10/100Base-T Ethernet)</b>	<b>PTZ control through RS-485 port</b>

## Specifications

<b>Series</b>	eneo DLR
<b>Operation mode</b>	Pentaplex
<b>Video standard</b>	PAL/NTSC (automatic selection)
<b>Video inputs (amount)</b>	16
<b>Video inputs</b>	1Vp-p, (C)VBS, 75ohms, BNC (loop-through)
<b>Main exits</b>	VGA, composite (CVBS)
<b>Video outputs</b>	1Vp-p, 75ohms, BNC
<b>Spot monitor</b>	composite (CVBS)
<b>IP channels</b>	-
<b>Audio inputs</b>	-
<b>Alarm inputs</b>	16x TTL, programmable as NC/NO
<b>Motion detector</b>	32x24 (768) grid per camera, Sensitivity levels: 5. Minimum size for detection: 256 levels. Video signal obscuration and video signal blind detection.

# DLR4-16/1.5TBDV

(Continuation Specifications)

<b>Alarm recording</b>	event, pre- and post alarm, panic and video loss
<b>Covert Camera Recording</b>	available
<b>Alarm out</b>	On system and disk fail
<b>Acoustic alarm display</b>	ON/OFF switchable
<b>Alarm outputs</b>	2x NO/NC contact
<b>Alarm notification</b>	e-mail, remote software (RASplus), callback
<b>Alarm reset input</b>	TTL input
<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
<b>Resolution</b>	720x576 Pixels (Display)
<b>Compression standard</b>	H.264, (H.264: advanced compression engine provides smaller data size without significant picture quality distortion)
<b>Image size</b>	Low: 2/2.4kB, Standard: 4/4.8kB, High: 6/7.2kB, Very high: 8/9.6kB (NTSC/PAL), at CIF resolution
<b>Max. recording rate</b>	400 B./Sek., @ 352 x 288
<b>Recording speed</b>	400 ips. at CIF (352x288 Px.), 200 ips. at 2CIF (704x288 Px.), 100 ips. at 4CIF (704x576 Px.) / PAL
<b>Digital storage media</b>	SATA hard disk
<b>Harddisk capacity (internal)</b>	1,5 TB
<b>Max. harddisk capacity (internal)</b>	6 TB
<b>Recording modes</b>	Continuous, Time-lapse, Motion Detection, Text-in, Pre-alarm, Panic
<b>Digital signature</b>	watermark
<b>Pre-alarm recording</b>	up to 30min.
<b>Post-alarm recording</b>	up to 15min.
<b>Playback</b>	full screen, 4 channel split, 9 channel split, 16 channel split, PiP
<b>Playback speed</b>	400 ips. at CIF (352x288 Px.), 200 ips. at 2CIF (704x288 Px.), 100 ips. at 4CIF (704x576 Px.) / PAL
<b>Monitor display</b>	real time: 25 ips (PAL), 30 ips (NTSC) per camera
<b>Zoom function</b>	2x~4x
<b>Search function</b>	Date/Time, Record table, Calendar, Event, Motion, Museum, Text-In
<b>Intergrated writer</b>	DVD
<b>Secondary Storage</b>	via USB 2.0: HDD, Flash drive, built-in SATA DVD RW. Network Data Export: Clip Player, AVI, JPG, BMP
<b>Control units (external)</b>	system keyboard, mouse
<b>Remote control</b>	included
<b>Remote access</b>	browser, remote software
<b>Remote Software</b>	For remote administration and search function (RASplus, Webguard, supplied with the unit)

# DLR4-16/1.5TBDV

(Continuation Specifications)

<b>Scheduling</b>	Different schedule for 7 days per week, programmable holidays, hour-by-hour configuration, time-lapse, event-driven, 2 mixed independent time-lapse schedules
<b>Menu languages</b>	German, English, French, Italian, Spanish, Dutch, Danish, Polish, Russian, Czech, Hungarian
<b>Network</b>	10/100 Base-Tx, RJ45
<b>Network protocols</b>	TCP/IP, DHCP, SMTP, PPPoE
<b>Transmission rate (Network)</b>	100 ips (CIF), 50 ips (2CIF), PAL
<b>Interfaces external storage</b>	USB, 2x USB 2.0
<b>Serial interfaces</b>	RS-485, RS-232, 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>Password protection</b>	64 groups, 256 users
<b>Supply voltage</b>	100VAC ~240VAC, 0.6A 50/60Hz
<b>Power consumption</b>	40W
<b>Temperature range (operation)</b>	+5°C ~+40°C
<b>Housing</b>	Steel metal with plastic front, desktop design
<b>Colour</b>	Pantone 427C
<b>Dimensions (HxWxD)</b>	88x430x405mm
<b>Weight</b>	6.8kg
<b>Parts supplied</b>	IR Remote control unit, 19" Rack mount kit, Power supply unit 100~240VAC / 2A with Mains cable, Viewer CD ROM (RASplus), Manuals
<b>Certificates</b>	CE

## Optional accessories

<b>74149</b>	<b>KBD-2</b>	System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC
<b>71922</b>	<b>RAS+</b>	Remote Administration Interface Software for DLR and DTR Digital Video Recorders
<b>72745</b>	<b>RAS MOBILE</b>	PDA Remote Monitoring Software for DLR, DCR, DTR and DPR Digital Video Recorders
<b>74088</b>	<b>EDC-KBD1</b>	System Keyboard with 3-axis Joystick, 12VDC
<b>74746</b>	<b>KBD-NSC-100</b>	Network System Controller with 3-Axis Joystick and Jog Shuttle, 5VDC
<b>74092</b>	<b>EDC-KBDM-3</b>	System Keyboard w. Joystick, 5" Monitor 12VDC, Fastrax Protocol
<b>72952</b>	<b>HDD-1000SATA-H2</b>	Hard Disk Drive 1TB, SATA for eneo BLR, DLR, DMR Series
<b>71902</b>	<b>DVR-MOUSE</b>	USB Mouse for Recorder Series DTR, DPR, BLR and DLR3/4 - PS/2, USB
<b>72934</b>	<b>USB-8COM</b>	Serial Text Interface Converter 8x RS232 for DLR-/DTR-/DPR-/DMR-series
<b>72975</b>	<b>HDD-500SATA-H</b>	Hard Disk Drive 500GB, SATA, for eneo BLR, DLR, DMR Series

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## Product information

The eneo DLR4 series Pentaplex recorders feature a very efficient compression method (H.264) and a high record and playback speed. As a result they only take up approximately 8K (NTSC) for one best quality image, which is significantly less than comparable models. Recorder series is network compatible and are equipped with supporting remote software. This software enables access to live pictures and recorded images in single or multi-image mode without interrupting recording. Graphical 11 language user interface, telemetry function, USB 2.0 interface to be used for the purpose of expanding internal storage capacity and for quick and easy archiving on external hard disk or CD-RW.

