

# Video Security

Recorders | eneo Digital Video Recorders

## DLR3-16N/160CD

Digital Video Recorder (16-Channel)  
160GB HDD, CD-RW Drive, Ethernet, 230VAC

Art-No. 71926



## Features

### Duplex Operation

MPEG-4 Video Compression

Recording / Playback Speed 100 Fields/Sec. max.

Video Resolution 720x576 Pixels max. (PAL)

16 Loop-through Inputs / VGA, Composite Outputs

Network Connectivity (10/100Base-T Ethernet)

### Audio and Alarm Inputs / Outputs

Secondary Storage/Archiving via USB and CD-RW

Storage Capacity 160GByte (3 HDDs max.)

Live Picture & Playback Zoom (2x)

Integrated Motion Detector

PTZ Control and Remote Control through RS-485 Port

## Specifications

Operation mode	duplex
Video standard	PAL/NTSC (automatic selection)
Video inputs (amount)	16
Video inputs	16x 1Vp-p, (C)VBS, 75ohms, BNC, looping inputs
Main exits	CVBS, Y/C, VGA
Video outputs	1Vp-p, (C)VBS, 75ohms, BNC Y/C: Y=1Vp-p, 75ohms C=0.3Vp-p
Spot monitor	CVBS
Audio inputs	2, 2x line-in, Cinch
Audio output	1x line-out, RCA socket
Alarm inputs	16x TTL, programmable as NC/NO
Activity detection	16x12 grid, Sensitivity levels: 5, Discrimination size: 192 levels
Alarm out	On system and disk fail
Alarm outputs	2x Relais contacts (terminal block)
Alarm notification	E-Mail, Pager, Remote SW (RAS)
Alarm processing	Programmable automatic alarm multiscreens
Alarm reset input	1x TTL

(Specifications continued)

<b>Event Logs</b>	No limit for alarm-in, motion, video loss, text-in
<b>System logs</b>	up to 5000, user login/out, config. changes, remote access, connects/disconnects and errors, disk read and write errors
<b>Max. recording resolution</b>	672 x 272 (2CIF)
<b>Resolution</b>	720x576 Pixels (PAL/Display)
<b>Compression standard</b>	MPEG4, MPEG4 (advanced compression engine provides smaller data size without significant picture quality distortion), Audio: G.726, (ADPCM)
<b>Image size</b>	Low: 2/2.4kB, Standard: 4/4.8kB, High: 8/9.6kB, Very high: 12/14.4kB (NTSC/PAL). 2x bigger at high resolution mode
<b>Max. recording rate</b>	100HB/Sek.
<b>Recording speed</b>	100 Fields/sec. at CIF (336x272 Px. / PAL), 50 Fields/sec. at 2CIF (672x272 Px. / PAL)
<b>Digital storage media</b>	ATA-2 (EIDE) HDD's, Built-in CD-RW
<b>Max. harddisk capacity (internal)</b>	1500GB, 160GByte ATA-2 HDD (up to 3 internal HDD's)
<b>Harddisk capacity (internal)</b>	160GB
<b>Pre-alarm recording</b>	Up to 30min.
<b>Post-alarm recording</b>	Up to 15min.
<b>Playback</b>	1, 4-, 9-, 16-channel Split, PIP
<b>Playback speed</b>	25 Fields/sec. at CIF (336x272 Px. / PAL)
<b>Monitor display</b>	Real time: 25 Fields/sec. (PAL), 30 Fields/sec. (NTSC) per camera
<b>Zoom function</b>	2x
<b>Covert camera operation</b>	programmable
<b>Intergrated writer</b>	CD
<b>Archiving</b>	USB (HDD's, CD-RW, Flash drive), IDE (CD-RW)
<b>Secondary Storage</b>	via USB 2.0, Built-in CD-RW. Network Data Export: Clip Player, AVI, JPG, BMP
<b>Control units (external)</b>	system keyboard, mouse
<b>Remote control</b>	-
<b>Remote access</b>	remote software
<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>Menu languages</b>	German, English, Italian, French, Spanish, Polish, Russian, Czech, Hungarian
<b>Ethernet interface</b>	10Base-T/100-Base-TX, RJ-45
<b>Network protocols</b>	TCP/IP, ADSL, DHCP, DVRNS
<b>Transmission rate (Network)</b>	100 Fields/sec. (CIF), 50 Fields/sec. (2CIF), PAL
<b>Interfaces external storage</b>	USB, 2x USB 2.0
<b>Serial interfaces</b>	RS-232, RS-485, 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

## DLR3-16N/160CD

(Specifications continued)

<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. 150watts
<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>	88x430x393mm
<b>Weight</b>	approx. 7.4kg
<b>Parts supplied</b>	19" Rack mount kit, Mains cable, Viewer CD ROM (RAS+), Manuals

## Accessories

<b>71857 / HDD-250</b>	Hard Disk Drive 250GB for DLR/DXR/DTR/ DCR and BTR-30xx Series
<b>71919 / HDD-500</b>	Hard Disk Drive 500GB for DLR/DXR/DTR/ DCR and BTR-30xx Series
<b>71902 / DVR-MOUSE</b>	USB Mouse for Recorder Series DTR (DXR), DPR and DLR3
<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

## Product Information

The DLR3 series duplex recorders feature a very efficient compression method (MPEG-4). As a result they only take up approximately 12K for one best quality image, which is significantly less than comparable models. As storage capacity can be expanded to up to 3 Hard Disks, recording long periods of time is no problem. Recorders of the DLR3 series are 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. For quick and easy archiving a CD writer is integrated.

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