



## DIR-4116/250V

Article-No.: 72802

Digital Video Recorder (16 channels),  
250GB HDD, Alarm In/Outputs, Ethernet

### Main features

Quadplex Operation  
Recording Speed: 100 ips max.  
16 BNC Inputs / VGA, Composite Output  
16 Alarm Inputs / 1 Output  
Storage Capacity 250GByte (2 HDDs max.)

MPEG-4 Video Compression  
Recording Speed: 25 ips  
Network Connectivity (10/100Base-T Ethernet)  
Secondary Storage / Archiving via USB 2.0  
Live Picture & Playback Zoom (2x)

### Specifications

Series	eneo DIR
Operation mode	Quadplex
Video standard	PAL/NTSC (automatic selection)
Video inputs (amount)	16
Video inputs	1Vp-p, (C)VBS, 75ohms, BNC
Main exits	CVBS, VGA
Video outputs	1Vp-p, (C)VBS, 75ohms, BNC
Spot monitor	-
IP channels	-
Audio inputs	-
Alarm inputs	Up to 16 (NO/NC)
Activity detection	16x12 grid, Sensitivity levels: 5, Discrimination size: 192 levels. Minimum size for detection: 15 levels
Alarm outputs	NO/NC contact
Alarm notification	E-mail
Alarm reset input	1x TTL
Event Logs	No limit for motion, video loss






## Specifications (continued)

System logs	up to 5000, user login/out, config. changes, remote access, connects/disconnects and errors, disk read and write errors
Max. recording resolution	672 x 544
Resolution	720x576 Pixels (PAL/Display)
Compression standard	MPEG4
Compression standard	MPEG4 (advanced compression engine provides smaller data size without significant picture quality distortion)
Image size	Low: 2/2.4kB, Standard: 4/4.8kB, High: 8/9.6kB, Very high: 12/14.4kB (NTSC/PAL).
Max. recording rate	100 B./Sek.
Recording speed	100 ips at 336x272 Px. / PAL, 50 ips at 672x272 Px. / PAL, 25 ips at 672x544 Px. / PAL
Digital storage media	SATA hard disk
Harddisk capacity (internal)	250 GB
Max. harddisk capacity (internal)	2000 GB
Pre-alarm recording	up to 60sec.
Post-alarm recording	up to 60sec.
Playback	1, 4, 9, 16 channel split, PIP
Playback speed	100 images/sec. at CIF (336x272 Px. / PAL) and duplex
Zoom function	2x
Covert camera operation	no
Intergrated writer	no
Archiving	USB (HDD's, CD-RW, Flash drive)
Secondary Storage	via USB 2.0. Network Data Export: Clip Player, AVI, JPG, BMP
Control units (external)	Mouse, Remote Control
Remote control	Wireless remote control enabled
Remote access	Remote Software, Browser
Remote Software	For remote administration and search function (RASplus, Webguard, supplied with the unit)
Time synchronization	Via Network time protocol. Operation as Network time server
Search function	Date/Time, Record table, Calendar, Event, Motion, Museum
Menu languages	German, English, Italian, French, Spanish, Polish, Russian, Czech, Hungarian
Ethernet interface	10Base-T/100-Base-TX, RJ-45
Network protocols	TCP/IP, ADSL, DHCP, DVRNS
Transmission rate (Network)	50 ips (CIF), 25 ips (2CIF), PAL
Remote configuration	via Web browser
Interfaces external storage	USB
Interfaces external storage	2x USB 2.0
Serial interfaces	RS-232, RS-485
Serial interfaces	RS-485 for telemetry control (proved protocols: eneo Fastrax, Pelco P&D)
Text insertion interface	RS-232
Security	User groups access rights programmable for each group
Supply voltage	100VAC-230VAC, 50/60Hz
Power consumption	approx. 80watts
Temperature range (Operation)	+5°C ~ +40°C
Housing	Steel metal with plastic front, desktop design

## Specifications (continued)

Colour	Antracite
Dimensions (HxWxD)	88x430x405mm
Weight	5.3kg
Parts supplied	IR Remote control, Mouse, Power cord, Remote Viewer Software, Manual
Certificates	CE

## Optional Accessories

Image	Artikel-Nr. / Typ	Description
	HDD-250SATA-H	Hard Disk Drive 250GB, SATA for DLR1.1, DLR3 (SATA), DIR, DPR and BTR Series
	HDD-500SATA-H	Hard Disk Drive 500GB, SATA for DLR1.1, DLR3 (SATA), DIR, DPR and BTR Series
	HDD-750SATA-S	Hard Disk Drive 750GB, SATA f. DLR3, DIR DTR-42xx/DTR-61xx, DPR, EMD, BCR Series
	HDD-750SATA-H	Hard Disk Drive 750GB, SATA for DLR1.1, DLR3 (SATA), DTR-42xx, DTR-61xx
	HDD-1000SATA-S	Hard Disk Drive 1000GB, SATA for DTR-42xx, DTR-61xx

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