

# DIR-4116H/250V

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DIR-4116H/250V  
Digital Video Recorder (16 Channels), H.264,  
MPEG4, 250GB, 100fps, Ethernet

Art-Nr. 72802



## Main Features

**Quadplex Operation**  
H.264 and MPEG-4 Video Compression  
Recording Speed: 100 ips max.  
16 BNC Inputs / VGA, Composite Output  
Network Connectivity (10/100Base-T Ethernet)  
16 Alarm Inputs / 1 Output

**Secondary Storage / Archiving via USB 2.0**  
Storage Capacity 250GByte (2 HDDs max.)  
Live Picture & Playback Zoom (2x)  
Covert Camera Recording  
Integrated Motion Detector  
IR Remote Control and Mouse Control

## 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

# DIR-4116H/250V

(Continuation Specifications)

<b>Covert Camera Recording</b>	Available
<b>Alarm outputs</b>	NO/NC contact
<b>Alarm notification</b>	E-mail
<b>Alarm reset input</b>	TTL input
<b>Event Logs</b>	No limit for motion, video loss
<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 544
<b>Resolution</b>	720x576 Pixels (PAL/Display)
<b>Compression standard</b>	MPEG4, 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: 8/9.6kB, Very high: 12/14.4kB (NTSC/PAL).
<b>Max. recording rate</b>	100 B./Sek.
<b>Recording speed</b>	100 ips at 336x272 Px. / PAL, 50 ips at 672x272 Px. / PAL, 25 ips at 672x544 Px. / PAL
<b>Digital storage media</b>	SATA hard disk
<b>Harddisk capacity (internal)</b>	250 GB
<b>Max. harddisk capacity (internal)</b>	2000 GB
<b>Pre-alarm recording</b>	up to 60sec.
<b>Post-alarm recording</b>	up to 60sec.
<b>Playback</b>	1, 4, 9, 16 channel split, PIP
<b>Playback speed</b>	100 images/sec. at CIF (336x272 Px. / PAL) and duplex
<b>Zoom function</b>	2x
<b>Intergrated writer</b>	no
<b>Archiving</b>	USB (HDD's, CD-RW, Flash drive)
<b>Secondary Storage</b>	via USB 2.0. Network Data Export: Clip Player, AVI, JPG, BMP
<b>Control units (external)</b>	Mouse, Remote Control
<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 (RASplus, Webguard, supplied with the unit)
<b>Time synchronization</b>	Via Network time protocol. Operation as Network time server
<b>Search function</b>	Date/Time, Record table, Calendar, Event, Motion, Museum
<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>	50 ips (CIF), 25 ips (2CIF), PAL
<b>Remote configuration</b>	via web browser
<b>Interfaces external storage</b>	USB, 2x USB 2.0

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(Continuation Specifications)

<b>Serial interfaces</b>	RS-232, RS-485, RS-485 for telemetry control (proved protocols: eneo Fastrax, Pelco P&D)
<b>Text insertion interface</b>	RS-232
<b>Security</b>	User groups access rights programmable for each group
<b>Supply voltage</b>	100VAC~230VAC, 50/60Hz
<b>Power consumption</b>	approx. 80watts
<b>Temperature range (Operation)</b>	+5°C ~+40°C
<b>Housing</b>	Steel metal with plastic front, desktop design
<b>Colour</b>	Antracite
<b>Dimensions (HxWxD)</b>	88x430x405mm
<b>Weight</b>	5.3kg
<b>Parts supplied</b>	IR Remote control, Power supply unit, 19"rack mount kit, Remote Viewer Software, Manual
<b>Certificates</b>	CE

## Optional accessories

<b>74149</b>	<b>KBD-2</b>	System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC
<b>74092</b>	<b>EDC-KBDM-3</b>	System Keyboard w. Joystick, 5"Monitor 12VDC, Fastrax Protocol
<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>72666</b>	<b>HDD-500SATA-H</b>	Hard Disk Drive 500GB, SATA, for DTR, DIR, DLR1.x, DLR3/4, DCR and DPR Series
<b>72947</b>	<b>HDD-1000SATA-S</b>	Hard Disk Drive 1000GB, SATA, for DTR, DIR, DLR1.x, DLR3/4 and DPR Series
<b>72665</b>	<b>HDD-250SATA-H</b>	Hard Disk Drive 250GB, SATA, for DIR, DLR1.x, DLR3, DCR and DPR Series
<b>72935</b>	<b>HDD-500SATA-S</b>	Hard Disk Drive 500GB, SATA for DTR, DIR DLR1.x, DLR3/4 and DPR Series
<b>72934</b>	<b>USB-8COM</b>	Serial Text Interface Converter 8x RS232 for DLR-3/4, DTR and DPR
<b>72952</b>	<b>HDD-1000SATA-H2</b>	Hard Disk Drive 1000GB, SATA for DCR, DTR, DIR, DLR1.1, DLR3/4, DPR

