



## DLR4-16/2.25TD

Article-No.: 98611

Digital Video Recorder (16 Channels), H.264, 2.25TB, DVD-RW, 400fps, audio

### 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)  
IR remote control and mouse control

H.264 video compression standard  
Video resolution: 720x576 px. max.  
Network connectivity (10/100Base-T Ethernet)  
Capacity: 2250GByte (no HDD extension possible)  
Browser access & RASPlus/RAS mobile remote control  
PTZ control through RS-485 port

### Specifications

|                       |  |
|-----------------------|--|
| Series                | eneo DLR   |
| Operation mode        | Pentaplex  |
| Video standard        | PAL/NTSC (automatic selection)   |
| Video inputs (amount) | 16   |
| Video inputs          | 1Vp-p, (C)VBS, 75ohms, BNC (loop-through)  |
| IP channels           | -  |
| Main video outputs    | VGA, composite (CVBS)  |
| Video outputs         | 1Vp-p, 75ohms, BNC   |
| Spot monitor          | composite (CVBS)   |
| 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. |
| Covert camera mode    | available  |
| Alarm triggers        | on system and disk fail, acoustic  |

## Specifications (continued)

|                                   |  |
|-----------------------------------|--|
| Alarm outputs                     | 2x Relay contacts (NO/NC)  |
| Alarm notification                | e-Mail, remote SW (RASplus), callback  |
| Alarm reset input                 | TTL input  |
| Event logs                        | no limit for alarm-in, motion, video loss, text-in   |
| Max. recording resolution         | 704x576  |
| Compression standard              | H.264  |
| Compression standard              | (H.264: advanced compression engine provides smaller data size without significant picture quality distortion) |
| Max. recording rate               | 400 B./Sek.  |
| Max. recording rate               | @ 352 x 288  |
| Digital storage media             | SATA hard disk   |
| Harddisk capacity (internal)      | 2,25 TB  |
| Max. harddisk capacity (internal) | 3 TB   |
| Recording                         | permanent, movement, timer, panic, event   |
| Digital signature                 | watermark  |
| Pre-alarm recording               | up to 30min.   |
| Post-alarm recording              | up to 15min.   |
| Playback                          | 1, 4, 9, 16channel split, PIP  |
| Playback speed                    | 400 ips. at CIF (352x288 Px.), 200 ips. at 2CIF (704x288 Px.), 100 ips. at 4CIF (704x576 Px.) / PAL            |
| 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.<br>Network Data Export: Clip Player, AVI, JPG, BMP        |
| Control units (external)          | system keyboard, mouse   |
| Remote access                     | remote software, Microsoft Internet Explorer   |
| Mobile access                     | iPhone, PDA  |
| Menu languages                    | German, English, French, Italian, Spanish, Dutch, Danish, Polish, Russian, Czech, Hungarian                    |
| Network                           | 10/100 Base-Tx, RJ45   |
| Network protocols                 | Manual, ADSL, DHCP, DVRNS  |
| Transmission rate (Network)       | 100 ips (CIF), 50 ips (2CIF), PAL  |
| 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                            | 6.2kg  |





## Specifications (continued)

|                |  |
|----------------|--|
| 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    |
|  | USB-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 |

## Optional Accessories (continued)

| Image   | Artikel-Nr. / Typ | Description  |
|---|-------------------|--|
|    | 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           |
|   | HDD-500SATA-H     | Hard Disk Drive 500GB, SATA, for eneo BLR, DLR, DMR Series                     |
|  | HDD-2000SATA      | Hard Disk Drive 2TB, SATA for eneo BLR, DLR, DMR Series                        |

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