

# DTR-4216/2.25TD

Home | Security | Recording | Recorders

DTR-4216/2.25TD  
Digital Video Recorder (16 Channels), 2,25TB,  
200fps, DVD-RW, Ethernet, 230VAC

**Art-Nr. 72751**



## Main Features

MPEG-4 ASP Video Compression / Pentaplex Operation  
16 Loop-through Inputs / VGA, Comp./S-VHS Outputs  
2-way Audio / Alarm Inputs & Outputs  
Recording Speed: 50ips  
Recording Speed max.: 200ips  
1750Gbyte SATA HDD's (no HDD extention possible)

Video Resolution 720x576 Pixels max.  
SCSI Port for Archiving / Memory Extention  
Backup: Archiving and Mirroring  
ATM/POS Text Insertion / 2x to 4x Digital Zoom  
PTZ Control and Remote Control through RS-485 Port  
Ethernet Connectivity / IR Remote Control

## Specifications

Series	eneo DTR
Operation mode	Pentaplex
Video standard	PAL/NTSC (automatic selection)
Video inputs (amount)	16
Video inputs	1Vp-p, (C)VBS, 75ohms, BNC (loop-through)
Main exits	CVBS, Y/C, VGA
Video outputs	1Vp-p, (C)VBS, 75ohms, BNC Y/C: Y=1Vp-p, 75ohms C=0.3Vp-p
Monitor outputs	4x Spot 1Vp-p, (C)VBS, 75ohms, BNC
Spot monitor	CVBS
IP channels	-
Audio inputs	4, 4x line-in, Cinch
Audio output	1x line-out, Cinch
Alarm inputs	16x TTL, programmable as NC/NO

# DTR-4216/2.25TD

(Continuation Specifications)

<b>Activity detection</b>	16x12 grid, Sensitivity levels: 5, Discrimination size: 192 levels. Minimum size for detection: 15 levels, Intrusion and Obscuration detection.
<b>Alarm recording</b>	Event, Pre- and Post alarm, Motion detection
<b>Covert Camera Recording</b>	Available
<b>Alarm out</b>	On system and disk fail
<b>Alarm outputs</b>	15x TTL, open collector, 1x Relay (terminal block)
<b>Alarm notification</b>	E-Mail, Pager, Remote SW (RASplus)
<b>Alarm processing</b>	Programmable automatic alarm multiscreens
<b>Alarm reset input</b>	2~4 TTL (terminal block)
<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>	MPEG4, MPEG4 ASP (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>	200 B./Sek.
<b>Recording speed</b>	200 ips. at CIF (352x288 Px.), 100 ips. at 2CIF (704x288 Px.), 50 ips. at 4CIF (704x576 Px.) / PAL
<b>Digital storage media</b>	SATA HDD's, Built-in CD/DVD-RW
<b>Harddisk capacity (internal)</b>	2000 GB
<b>Max. harddisk capacity (internal)</b>	3000 GB
<b>Recording modes</b>	Continuous, Event based or scheduling. Simultaneous recording and playback
<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>	200 ips. at CIF (352x288 Px.), 100 ips. at 2CIF (704x288 Px.), 50 ips. at D1 (704x576 Px.) / PAL
<b>Monitor display</b>	Real time: 25 ips (PAL), 30 ips (NTSC) per camera
<b>Zoom function</b>	2x~4x
<b>Intergrated writer</b>	DVD
<b>Archiving</b>	With SATA, SCSI and USB HDD's. Real-time mirroring
<b>Secondary Storage</b>	via USB 2.0, SCSI Interface, or built-in CD/DVD-RW writer. Network Data Export: Clip Player, AVI, JPG, BMP
<b>Control units (external)</b>	System Keyboard, Mouse
<b>Remote control</b>	Wireless remote control enabled
<b>Remote access</b>	Remote Software, Browser

# DTR-4216/2.25TD

(Continuation Specifications)

<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, Text-In
<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>Transmission rate (Network)</b>	100 ips (CIF), 50 ips (2CIF), PAL
<b>Interfaces external storage</b>	USB, SCSI, 3x 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>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>Weight</b>	9kg
<b>Parts supplied</b>	IR Remote control unit, 19" Rack mount kit, Mains connection 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>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>71902</b>	<b>DVR-MOUSE</b>	USB Mouse for Recorder Series DTR, DPR and DLR3
<b>72934</b>	<b>USB-8COM</b>	Serial Text Interface Converter 8x RS232 for DLR-3/4, DTR and DPR

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## Product information

The DTR-4200 series Pentaplex recorders feature a very efficient compression method (MPEG-4) and a high record and playback speed. 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 SATA Hard Disks, recording long periods of time is no problem. Recorders of the DTR-4200 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/DVD writer is integrated.

