

# Video Security



## DTR-2016/750CD

Digital Video Recorder (16-Channels)  
750GB HDD, CD-RW Drive, Ethernet, 230VAC

Art-No. 71948



## Features

MPEG-4 Video Compression / Duplex Operation  
16 Loop-through Inputs / VGA, Comp./S-VHS Outputs  
Audio and Alarm Inputs / Outputs  
Recording Speed: 100 Fields/Sec. max. (PAL)  
750Gbyte EIDE HDD's (No HDD extension possible)  
Video Resolution 720x576 Pixels max.

SCSI Port for Archiving / Memory Extension  
Various Recording Modes  
Secondary Storage / Archiving via USB and CD-RW  
ATM/POS Text Insertion / 2x to 4x Digital Zoom  
PTZ Control and Remote Control through RS-485 Port  
Ethernet Connectivity / IR Remote Control

## Specifications

<b>Video standard</b>	PAL/NTSC (auto detection)
<b>Remarks</b>	Recommended LCD Monitors: s. Accessories
<b>Event Logs</b>	No limit for alarm-in, motion, video loss, text-in
<b>Security</b>	Key lock, 64 user groups access rights programmable for each group (up to 256 user)
<b>Transmission rate (Network)</b>	100 Fields/sec. max (PAL)
<b>Alarm notification</b>	E-Mail, Remote SW (RAS plus)
<b>Alarm processing</b>	Programmable automatic alarm multiscreens
<b>Remote control</b>	Wireless remote control enabled
<b>Text insertion interface</b>	ATM/POS, 10 chann. max.
<b>Monitor display</b>	Real time: 25 Fields/sec. (PAL), 30 Fields/sec. (NTSC) per camera
<b>Covert camera operation</b>	Programmable
<b>Time synchronization</b>	Via Network time protocol. Operation as Network time server
<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>Zoom function</b>	2x~4x

(Specifications continued)

<b>Playback</b>	1, 4-, 9-, 16-channel Split, PIP
<b>Post-alarm recording</b>	Up to 15min.
<b>VGA</b>	For monitors with Multi Sync Function only
<b>Serial interface</b>	RS-485 for telemetry control (proved protocols: eneo-Fastrax, Pelco P/D) or remote keyboard control
<b>Activity detection</b>	16x16 grid, Sensitivity levels: 5, Discrimination size: 256 levels
<b>Simplex/Duplex/Triplex/Pentaplex operation</b>	Duplex
<b>Video inputs</b>	16x 1Vp-p, (C)VBS, 75ohms, BNC, looping inputs
<b>Monitor outputs</b>	4x Spot 1Vp-p, (C)VBS, 75ohms, BNC
<b>Video output</b>	1x 1Vp-p, (C)VBS, 75ohms, BNC; 1x Y/C, Y= 1Vp-p, C= 0.3Vp-p, 75ohms
<b>Audio input</b>	4x line-in, RCA socket
<b>Audio output</b>	1x line-out, RCA socket
<b>Resolution</b>	720x576 Pixels (Display)
<b>Compression standard</b>	MJPEG advanced compression engine provides smaller data size without significant picture quality distortion
<b>Recording speed</b>	100 Fields/sec. at CIF (336x272 Px. / PAL), 50 Fields/sec. at 2CIF (672x272 Px. / PAL)
<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>Hard disk capacity</b>	750GByte ATA HDD's
<b>Playback speed</b>	100 Fields/sec. at CIF (336x272 Px. / PAL) and duplex
<b>Secondary Storage</b>	via USB 2.0, SCSI Interface, or built-in CD-RW writer. Network Data Export: Clip Player, AVI, JPG, BMP
<b>Alarm inputs</b>	16x TTL, programmable as NC/NO
<b>Alarm outputs</b>	16x TTL, open collector (terminal block)
<b>Alarm reset input</b>	2~4 TTL (terminal block)
<b>Alarm out</b>	On system and disk fail
<b>Pre-alarm recording</b>	Up to 30min.
<b>Digital storage media</b>	ATA-2 (EIDE) HDD's, Built-in CD-RW
<b>Archiving</b>	With EIDE, SCSI and USB HDD's. Real-time mirroring
<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>Remote Software</b>	For remote administration and search function (RAS plus supplied with the unit)
<b>Interfaces</b>	3x USB, 1x RS-485, 1x RS-232 (Remote control via modem), 1x SCSI port for memory extension
<b>Supply voltage</b>	100VAC~230VAC, 50/60Hz
<b>Power consumption</b>	Approx. 150watts
<b>Temperature range</b>	5°C ~ +40°C
<b>Housing</b>	Steel metal with plastic front, desktop design
<b>Colour</b>	Pantone 427C
<b>Dimensions (HxWxD)</b>	88x430x405mm
<b>Weight</b>	10.2kg

## DTR-2016/750CD

(Specifications continued)

### Parts supplied

IR Remote control unit, 19" Rack mount kit, Mains cable, Viewer CD ROM (RAS plus), Manuals

## Accessories

### 71857 / HDD-250

Hard Disk Drive 250GB for DLR/DXR/DTR/ DCR and BTR Series

### 71919 / HDD-500

Hard Disk Drive 500GB for DLR/DXR/DTR/ DCR and BTR Series

### 74088 / EDC-KBD1

System Keyboard with 3-axis Joystick, 12VDC/230VAC

### 74092 / EDC-KBDM-3

System Keyboard w. Joystick, 5" Monitor 12VDC/230VAC, Fastrax Protocol

### 71902 / DVR-MOUSE

USB Mouse for Recorder Series DTR (DXR), DPR and DLR3

### 90392 / VMC-15LCD-P

15" LCD Professional Colour Monitor, 1024 x 768, Comp., Y/C, RGB, 2 Audio, 12VDC/230VAC

### 90393 / VMC-17LCD-P

17" LCD Professional Colour Monitor, 1280 x 1024, Comp., Y/C, RGB, 2 Audio, 12VDC/230VAC

### 90430 / VMC-19LCD-P

19" LCD Profession. Colour Monitor, 1280 x 1024 Px., Comp., Y/C, RGB, 12VDC/230VAC

### 90443 / VMC-17LCD-PP

17" LCD Colour Monitor, 1280x1024 Pixels Comp., Y/C, RGB, 2x Audio, 12VDC/230VAC

### 90467 / VMC-32LCD-PW

32" Prof. 16:9 TFT Colour Monitor, 4x CVBS, Y/C, RGB, 2x Audio, 100-240VAC

### 90476 / VMC-23LCD-PW1

23" Prof. 16:9 LCD Colour Monitor, 4x CVBS, Y/C, RGB, 2x Audio, 24VDC/230VAC

### 71970 / TS-H652D

CD/DVD Writer DVD+R 48x/18x, CD/DVD ROM for Built-in DTR Series

## Product Information

The DTR-2000 series Duplex 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 Hard Disks, recording long periods of time is no problem. Recorders of the DTR-2000 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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