



**MITSUBISHI
ELECTRIC**

Changes for the Better

9ch DIGITAL RECORDER



ISO9001
JQA-0521



051

Security Solutions

DX-TL4509E

Introducing Mitsubishi Electric's new DX-TL4509E, a digital recorder designed specifically for cost-effective security. Sharing many advanced features with the high-spec DX-TL5000E, this single unit* can record up to 9 channels for more than 18 months. Dual multiplexer output enables the simultaneous monitoring of live and recorded footage, and images are stored in the efficient JPEG2000 format, which ensures high data compression while still retaining fine detail. Compact and affordable, the user-friendly DX-TL4509E offers the reliable performance demanded for 24/7 digital video surveillance.



- Versatile Monitoring, Recording & Archiving
- High Reliability & High Picture Quality
- Simple, User-friendly Setup & Operation
- Integral CD/DVD writer



* When fitted with external hard disk drives

Versatile Monitoring, Recording & Archiving

- Triplex function
- Dual multiplexer output
- 9ch multiplexer
- Emergency recording
- Long pre-alarm recording (LPA)
- Alarm partitions
- Motion detection
- Built-in CD/DVD-R/RW drive
- Max. 8TB HDD capacity: 1TB internal + 7TB external (using 500GB HDDs)
- Active mirroring function



High Reliability & High Picture Quality

- Highly reliable OS: Linux/itron
- SATA HDD
- High-definition recordings compressed with JPEG2000 technology

Simple, User-friendly Setup & Operation

- User-friendly GUI menus
- Easy recording setup
- Easy profile management
- Simple data archiving
- Simple searching of recorded footage

Max. 8TB HDD capacity: 1TB internal + 7TB external

The DX-TL4509E can access up to 8 terabytes of data storage (using 500GB internal & external drives), enough to record for more than 18 months.

Options



DX-ZD5UE HDD extension unit



DX-KB5UE Keyboard

Specifications

Item	Description
Main Recording Medium	One internal HDD installed, with option of adding a second internal HDD
Archiving	Internal DVD/CD drive (DVD-R/RW, CD-R/RW)
	External Serial Bus I/F HDD (optional DX-ZD5UE) USB memory (copy only)
Colour System	PAL
Signal Compression System	JPEG2000
Number of Picture Elements Processed	720 × 288 pixels: field recording 720 × 576 pixels: frame recording
Display Rate	450 field/sec./display (50 field/ch)
Recording Rate	100 field/sec. (50 field/ch)
Video Terminal	Input 9-channel input; BNC: 1.0Vp-p 75Ω
	Through Output 9-channel loop through output; BNC: 1.0Vp-p 75Ω (with AC power supply)
	Output A BNC 1-channel: 1.0Vp-p 75Ω S terminal 1-channel: Y 1.0Vp-p 75Ω/ C 0.3Vp-p 75Ω RCA output 1-channel(in front): 1.0Vp-p 75Ω
	Output B BNC 1-channel: 1.0Vp-p 75Ω
Audio Recording System	PCM
Audio Terminal	Input 1-channel RCA-Pin plug: 308mV(rms), 50kΩ (optional)
	Output 1-channel RCA-Pin plug: 308mV(rms), 1kΩ 1-channel RCA-Pin plug(in front): 308mV(rms), 1kΩ
Recording Interval	Separately selectable for each camera with estimate of max. recording time
Alarm Recording	Recording time: 2sec, 5sec, 10sec, 15sec, 30sec, 45sec, 1min, 2min, 5min, 10min, 20min, 30min, 60min and contact
Pre-alarm Recording	Can be set from 1 sec. up to 1 hour (LPA)
Emergency Recording	Emergency input terminal (rear)
Power Failure Recovery Recording	Auto-re-start of unit after power failure
HDD Usage	Percentage display of hard disk space used
User Interface	GUI menu
Menu Language	English, German, French, Spanish, Italian, and Russian
Motion Detection Function	22(H) X 23(V) detection area, 5 sensitivity settings, dot number setting to trigger recording

Item	Description
Clock Adjusting Function	Clock adjusting input (rear terminal)
Retrieval	Date & Time search, Alarm List search, Bookmark search, Motion search
Multiplexer Function	Split display: 4, 9 split display (output A/B) Sequential display: 1, 4 display (output A/B) Covert camera display Alarm display
Interface	Inputs 9-channel ALARM IN 1-channel REC IN 1-channel REC STOP IN 1-channel EMERGENCY 1-channel CLOCK ADJ
	Outputs 4-channel MODE OUT 9-channel ALARM OUT 1-channel CALL OUT 1-channel CLOCK ADJ OUT DC12V OUT
	RS232C 1 port for DX-TL4509 control
	RS422/RS232C 1 port for camera control
	RS485 1 port for DX-KB5UE
Remote Access	1 jack for wired remote control unit connection
Remote Functions	Serial Bus 2 x USB on front panel, 2 x USB on rear
	LAN 1 port for 10/100Base-T/TX for data comms
	Web Live viewing, Playback, Search
	PC Software (DX-PC200) Live viewing, Playback (access to multiple DVRs), Search, Image data downloading, PTZ Control, Alarm notification, Configuration, Recorder control, Remote mode output control
Power Supply	AC100-240V 50/60Hz
Power Consumption	0.9-0.4A (100-240V)
Operating Conditions	Temperature: 5°-40°C Humidity: 30-80% Altitude: 2,000m (Max.)
Dimensions (W × D × H)	425 × 353 × 128mm
Weight	10.5kg (with 2 x HDD)
Accessories	AC power cord (UK and Continental plugs) Installer's manual (English) User's manual (English, German, French, Spanish, Italian, Dutch and Russian)

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For more information about our digital recorders, please see the website at:
www.mitsubishielectric.co.uk/vis