

Compact and affordable

The DX-TL304E digital video recorder (DVR) provides reliable 24/7 surveillance with high-quality MPEG-4 real-time 100fps recording of up to 4 channels (25fps each).



Security Solutions

4ch DIGITAL RECORDER

DX-TL304E



**MPEG-4 assures
efficiency and quality**

Powerful MPEG-4 compression results in extended recording hours – at up to 100 frames per second – through more efficient use of storage capacity, while maintaining high picture quality for clear identification of details.



**New GUI design simplifies
operation**



Intuitive operation is offered by the clear interface with large icons. All operations, including selecting and copying footage to external storage, can be performed easily using a mouse.



**Compact design facilitates
installation**

A compact design – 300x91x340mm (WxHxD) – makes this DVR convenient to install in virtually any location. Two USB ports are provided on the front panel for connecting a mouse and external storage.

USB interface for simple copying

Thanks to simple on-screen prompts, it is easy to select clips from the data recorded on HDD and quickly copy them to an external USB device for archiving or transfer.



Removable front panel for easy HDD access

Up to two high-capacity HDDs are accommodated inside the unit, which offer easy access for maintenance.



Wide protocol support for PTZ

The DX-TL304E supports multiple protocols for the pan, tilt and zoom control of many brands of dome camera.

RS422: AD, BBV, BOSCH, DENNARD, ELBEX, GE, JVC, OMIKRON, PELCO-D, PELCO-P, SAMSUNG, VIDO, PANASONIC
Coax: PELCO, BBV

Other features

- Ideal replacement for legacy VCR equipment
- Interfaces: RS422/RS232 (2-pin wire) for PTZ camera control; RS232C (9-pin, D-sub) for DVR control (e.g. DX-KB5UE); and USB for connecting a mouse or external storage devices (e.g. DX-ZD5UE/ZD6UE)
- Dual multiplexer output for simultaneous monitoring of live and recorded footage on separate monitors
- Menus available in English, French, Spanish, German, Italian, Portuguese, Polish, Czech and Russian
- Support for SNTP (protocol for network-based time synchronization)
- RoHS compliant

Specifications

Item	Description
Main Recording Medium	HDD, with option of up to two internal HDDs
Archiving	External Serial Bus I/F HDD (optional DX-ZD5UE/DX-ZD6UE) USB memory (copy only) USB DVD/CD (copy only)
Colour System	PAL
Signal Compression System	MPEG4
Number of Picture Elements Recorded	704 x 576 pixels : 4CIF 704 x 288 pixels : 2CIF 352 x 288 pixels : CIF
Display Rate	200 fields/sec./display (50 fields/ch)
Recording Rate	25 frames/sec. (704 x 576), 100 frames/sec. (352 x 288)
Video Terminal	Input BNC 4-channel : 1.0Vp-p 75Ω Through Output BNC 4-channel loop through output : 1.0Vp-p 75Ω (with AC power supply) Output A BNC 1-channel : 1.0Vp-p 75Ω RCA 1-channel (in front) : 1.0Vp-p 75Ω Output B BNC 1-channel : 1.0Vp-p 75Ω
Audio Recording System	AD-PCM
Audio Terminal	Input RCA 1-channel : 308mV (rms), 50kΩ Output RCA 1-channel : 308mV (rms), 1kΩ RCA 1-channel (in front) : 308mV (rms), 1kΩ
Alarm Recording	Recording time : 2 sec. up to 60 min. and contact
Pre-alarm Recording	Can be set from 1 sec. up to 30 min. (in case of 2 HDDs) / up to 15 min. (in case of 1 HDD)
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, French, Spanish, German, Italian, Portuguese, Polish, Czech and Russian
Motion Detection Function	Dot number setting to trigger recording

Item	Description
Clock Adjustment Function	SNTP
Search Function	Date & time, Alarm list, Bookmark, Motion
Multiplexer Function	Split display : 4 (output A/B) Sequential display : 1 (output A/B) Covert camera display Alarm display
Interface	Inputs 4-channel ALARM IN 1-channel EMERGENCY 3-channel EVENT Outputs 2-channel MODE OUT (available as ALARM OUT) 1-channel CALL OUT DC 12V OUT RS232C 1 port for DX-TL304E control : D-SUB RS422/RS232C 1 port for PTZ camera control Serial BUS 2 x USB on front panel, 1 x USB on rear LAN 1 port for 10 Base-T/100 Base-TX for data communication
Remote Function	Web Live viewing, Playback, Search PC Software 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
Rated Input	0.7A-0.33A (100-240V)
Operating Conditions	Temperature : 5-40°C Humidity : 30-80%RH Altitude : 2,000m (Max.)
Dimensions	300(W) x 91(H) x 340(D)mm
Weight	5.6kg (without HDD)
Accessories	AC power cord (UK and Continental plugs) Installer's manual (English) User's manual (English, French, Spanish, German, Italian, Dutch and Russian) *Safety notice is also described by Portuguese, Polish, Czech, and Swedish.

 **MITSUBISHI ELECTRIC CORPORATION**

KYOTO WORKS: 1 ZUSHO BABA, NAGAOKAKYO CITY, KYOTO 617-8550, JAPAN PHONE: (075)958-3245 FAX: (075)958-3730