**MITSUBISHI
ELECTRIC**

Changes for the Better

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4good reasons

TO USE THE MITSUBISHI RANGE OF DIGITAL SECURITY RECORDERS

versatile

Mitsubishi offer a range of high quality digital recorders to suit the requirements of any modern business.

Mitsubishi's digital recorders are versatile and come equipped with a variety of options. They are all easy to operate and have built-in motion detection, remote networking capabilities and full duplex operation.

The Mitsubishi DX-NT400E is a four channel digital recorder, which can accommodate upto 2 hard drives*, they are not supplied with the unit allowing users to fit the memory to suit their own requirements. This model also has a unique HDD caddy, which is not only removable but also interchangeable, meaning that recordings can be removed and stored for evidence purposes. The purchase of additional HDDs can provide the user with a long term storage option. Recording modes of upto 25pps per camera are available.

Also available in the Mitsubishi range is a nine channel digital recorder - the DX-TL800E. This model comes with a standard 120Gb$^+$ HDD but an additional 120Gb$^+$ HDD can be added. Easy data export is available through the CompactFlash™ facility.

Mitsubishi's DX-TL950E digital recorder also has nine channels, but offers the choice of one or two 250Gb$^+$ HDDs. This has the facility to export data to a CompactFlash™ card.

The range is completed with the DX-TL2500E, a 16-channel digital recorder that can accommodate upto 3 250Gb$^+$ HDDs internally and has the option to add 12Tb externally. Data & images from this recorder can be also exported using the CompactFlash™ slot.

*At the time of going to press, upto 300Gb capacity HDDs were available, however the DX-NT400E will be compatible with future larger capacity HDDs

$^+$HDD capacity at time of going to press, but may increase in future as HDD capacity increases

DX-NT400E

- Capacity upto 2 HDDs*

- Unique removable and interchangeable HDD caddy

- Upto 25pps per camera

- Networkable

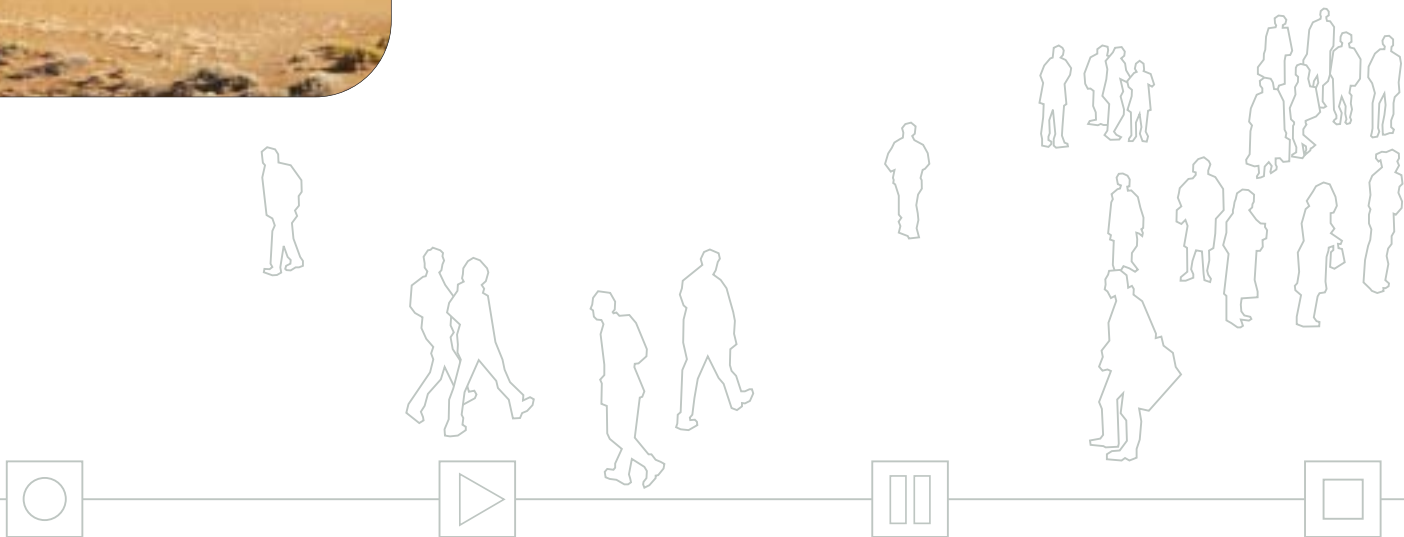- Full duplex recording

- Motion detection

*At the time of going to press, upto 300Gb capacity HDDs were available, however the DX-NT400E will be compatible with future larger capacity HDDs

remote

All of Mitsubishi's digital recorders offer the capability to carry out remote networking. This allows the user to achieve complete monitoring and control through a networked PC, requiring fewer site visits to maintain and download recordings. Application software is provided for each digital recorder which facilitates easy operation and maintenance. All networked systems will display recordings live and will allow multiple user access with password control. The DX-NT400E, DX-TL950E and DX-TL2500E all have built-in networking capability, whilst the DX-TL800E requires the optional DX-VS1UE video server box should the user want this feature.

The DX-NT400E's removable and interchangeable caddy allows for recordings to be removed and stored which may be necessary if an incident occurs and images are required as evidence. The DX-TL800E, DX-TL950E and DX-TL2500E all benefit from a CompactFlash™ slot, which will allow the user to save images and video clips onto a CompactFlash™ card and take them away for storage or again for evidence purposes.

DX-TL800E

- Up to 240Gb[+] HDD capacity

- Optional video server box (DX-VS1UE) available for networking

- Full duplex recording

- Motion detection

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DX-VS1UE

- Remote monitoring and control

- Multiple user access with password control

- Live display capability

- PTZ camera control available

[+]HDD capacity at time of going to press, but may increase in future as HDD capacity increases

compact

Over the past few years, corporate floor space has become an increasing cost and many businesses are striving to keep costs down by optimising space usage. When it comes to protecting their property, many companies want a compact security system without having to compromise on the quality and features of their system and therefore on the security of their business.

Mitsubishi have taken this concern seriously and their comprehensive range of digital recorders are compact yet robust and come packed with benefits and features. Easy set up and operation means that lengthy training sessions are not required and date, time, camera, alarm and index search facilities provide a variety of monitoring levels. Full networking capabilities mean that there is little need for site visits, and with the option to increase the HDD capacity to meet the specific needs of any business, Mitsubishi have ensured that high quality security systems needn't consume vast amounts of valuable working space.

DX-TL950E

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- Up to 500Gb[+] HDD capacity

- Up to 50pps per camera

- Networkable

- Full duplex recording

- Motion detection

[+]HDD capacity at time of going to press, but may increase in future as HDD capacity increases

reliable

With over 80 years experience in providing reliable high-quality products to both corporate and general consumers all over the world, Mitsubishi Electric Corporation is a recognised world leader in the design, manufacture and marketing of electrical equipment. Mitsubishi prides itself by being able to continually offer the market new and innovative products.

Paramount to many security needs is the reliability of the products being used and the after sales support received. All of our digital recorders come with a full one year warranty, and technical support is readily available directly from Mitsubishi. The company also runs an Approved Installer Program which ensures that all approved companies have the training and expertise to be able to specify, if required, the most appropriate product, install it and train users on how to operate it.

Furthermore, years of research and development goes into Mitsubishi's security products to ensure that they are durable, reliable and hard wearing, guaranteeing customers complete peace of mind. With a full range of digital recorders, Mitsubishi can offer reliable security solutions for a variety applications.

DX-TL2500E

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- Up to 750Gb⁺ HDD capacity

- Networkable

- Full duplex recording

- Motion detection

⁺HDD capacity at time of going to press, but may increase in future as HDD capacity increases

Item	Description
Main Recording Medium	3.5inch IDE HDD 2 can be added internally (Maximum capacity:2TB/port)
Colour system	Standard PAL system
Signal Compression System	Wavelet: Sampling 13.5 MHz Compression unit: Field
Number of Picture Elements Processed	684 x 288 pixels
Video terminal — Input	4 Input BNC-Connector:1.0V(p-p)75 Ω
Video terminal — Output	1 Output BNC-Connector:1.0V(p-p)75 Ω
Audio Terminal — Input	1 Input RCA-Pin plug:308mV(rms),50k Ω
Audio Terminal — Output	1 Output RCA-Pin plug:308mV(rms),1k Ω
Horizontal Resolution	More than 450 lines (Super and High picture grade)
Recording Interval	Can be set for each camera with function to estimate recording possible time
Alarm Recording	Recording time: 2sec, 5sec, 10sec, 15sec, 30sec, 45sec, 1min, 2min, 5min, 10min, 20min, 30min, 60min and contact input
Alarm Partition Recording	The partition area can be set from 10%to 90%of HDD capacity
Pre-alarm Recording	Pre-alarm time period has 3 settings,long,middle and short
Mirror Recording	Prevent data loss due to the HDD crash is available
Emergency Recording	Emergency input terminal (rear)
Power Failure Recovery Recording	Auto-re-start of unit after power failure
Menu Language	English, German, French, Spanish, Italian and Russian

Item	Description
Digital Zoom	The screen is magnified by 100%,200%,and 400%
Motion Detection Function	16(H) x 12(V) detection area setting,5 steps detection sensitivity setting, recoding start dot number setting
Retrieval	Date & Time search,index search,skip search, alarm list search, camera filtering search
Multiplexer Function	Split display:4 split display Sequential display:1/4 display
Ethernet	10 BASE-T (RJ-45)
Simultaneous Users Access	Monitoring:Max.5 users (Net Hunter lite) Playback:Max.1 user
Security	Password (a three-level password) Image-alteration recognition (Against image forging)
Remote Access Interface	RS-232C (D-SUB 9pins)
Power Supply	AC100-240V 50/60Hz
Power Consumption	0.2A (240V,with 2 HDDs)
Operational Conditions	Temperature: 5ºC-40ºC Humidity: 30%-80% Altitude: Max 2000m
Dimensions (W x D x H)	300 x 343 x 88mm
Weight	5.8kg
Accessories	AC power code (UK and Continental plug), Instruction manual (English) Quick Guide (English, German, French, Spanish, Italian and Russian) Wired remote control R-400 Screw to attach the HDD to the HDD holder

Item	Description
Main Recording Medium	120GB fixed magnetic recording device (HDD) Possible to maximum 240GB (120GB x 2)
External Recording Medium	CompactFlash™ Card slot for copying data
Colour system	PAL system
Signal Compression System	Wavelet: Sampling 13.5 MHz Compression unit: Field
Number of Picture Elements Processed	684 x 288 pixels
Video terminal — Input	9-channel input BNC: 1.0Vp-p 75
Video terminal — Output	9-channel through output BNC: 1.0Vp-p 75 (during AC power supply) Monitor output 2 BNC: 1.0Vp-p 75 S terminal: Y 1.0Vp-p 75/C 0.3Vp-p 75
Audio Terminal — Input	3.5ø Microphone-67dBs 600Ω RCA plug-8dBs 50K
Audio Terminal — Output	RCA plug on front and rear-8dBs 1K
Horizontal Resolution	More than 450 lines (Super and High picture grade)
Recording Interval	Can be set for each camera with function to estimate recording possible time
Alarm Recording	Recording time: 2sec, 5sec, 10sec, 15sec, 30sec, 45sec, 1min, 2min, 5min, 10min, 20min, 30min, 60min and contact input
Pre-alarm Recording	Pre-alarm time period has 3 settings, long, middle and short

Item	Description
Emergency Recording	Emergency input terminal (rear)
Power Failure Recovery Recording	Auto-re-start of unit after power failure
Used Capacity Recording	Displays percentage of hard disk space used
Menu Language	English, German, French, Spanish and Russian
Motion Detection Function	16(H) x 12(V) detection area setting, 5 steps detection sensitivity setting, recoding start dot number setting
Timer Adjusting Function	Time adjusting input (rear terminal)
Retrieval	Date & Time search, index search, skip search, alarm list search, camera filtering search
Multiplexer Function	Split display:4 split display Sequential display:1/4 display
Remote Access Interface	RS-232C (D-SUB 9pins)
Power Supply	AC100-240V 50/60Hz
Power Consumption	0.25A (240V)
Operational Conditions	Temperature: 5ºC-40ºC Humidity: 30%-80% Altitude: Max 2000m
Dimensions (W x D x H)	300 x 350 x 88mm
Weight	7kg
Accessories	AC power code (UK and Continental plug) Instruction manual (English) Quick Guide (English, German, French, Spanish and Russian)

Item		Description
Main Recording Medium		250GB fixed magnetic recording device (HDD) Possible to maximum 240GB (120GB x 2)
External Recording Medium		CompactFlash™ Card slot for copying data
Colour system		PAL system
Signal Compression System		Wavelet: Sampling 13.5 MHz Compression unit: Field
Number of Picture Elements Processed		684 x 288 pixels
Video terminal	Input Output	9-channel input BNC: 1.0 Vp-p 75Ω S-Connector: Y-Signal: 1.0 Vp-p 75Ω C-Signal: 0.3 Vp-p 75Ω 2 Output BNC-Connector: 1.0 Vp-p 75Ω RCA-Pinplug: 1.0 Vp-p 75Ω
Audio Terminal	Input Output	RCA-Pinplug: 308 mV(rms), 50 kohms 2 Output RCA-Pinplug: 308 mV(rms), 1 kohms
Horizontal Resolution		More than 450 lines (Super and High picture grade)
Recording Interval		Can be set for each camera with function to estimate recording possible time
Alarm Recording		Recording time: 2sec, 5sec, 10sec, 15sec, 30sec, 45sec, 1min, 2min, 5min, 10min, 20min, 30min, 60min and contact input
Pre-alarm Recording		Pre-alarm time period has 3 settings, long, middle and short

Item	Description
Emergency Recording	Emergency input terminal (rear)
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Used Capacity Recording	Displays percentage of hard disk space used
Menu Language	English, German, French, Spanish and Russian
Motion Detection Function	16(H) x 12(V) detection area setting, 5 steps detection sensitivity setting, recoding start dot number setting
Timer Adjusting Function	Time adjusting input (rear terminal)
Retrieval	Date & Time search, index search, skip search, alarm list search, camera filtering search
Multiplexer Function	Split display:4 split display Sequential display:1/4 display
Remote Access Interface	RS-232C (D-SUB 9pins)
Power Supply	AC100-240V 50/60Hz
Power Consumption	0.25A (240V)
Operational Conditions	Temperature: 5ºC-40ºC Humidity: 30%-80% Altitude: Max 2000m
Dimensions (W x D x H)	300 x 350 x 88mm
Weight	7kg
Accessories	AC power code (UK and Continental plug) Instruction manual (English) Quick Guide (English, German, French, Spanish and Russian)

Item		Description
Main Recording Medium		One large capacity HDD is built-in. Additional 2 HDDs can be added internally to increase on-board storage.
External Recording Medium		Extended recording HDD: Maximum 2TB x 6 lds Backup/Copying: DDS2/3, MO, ZIP, DVD-RAM, CD-R/RW CompactFlash™ Card slot for copying data
Colour system		PAL system
Signal Compression System		Wavelet: Sampling 13.5 MHz Compression unit: Field
Number of Picture Elements Processed		720 x 288 pixels
Video terminal	Input Output	16-channel input BNC: 1.0Vp-p 75 Ω 16-channel through output BNC: 1.0Vp-p 75 Ω (during AC power supply) Monitor output 2 BNC: 1.0Vp-p 75 Ω S terminal: Y 1.0Vp-p 75 Ω/C 0.3Vp-p 75 Ω Spot Monitor output 1 BNC
Audio Terminal	Input Output	3.5ø Microphone -67dBs 600 Ω RCA plug -8dbs 50K Ω RCA plug on front and rear -8dBs 1K Ω
Horizontal Resolution		More than 450 lines (Super and High picture grade)
Recording Interval		Can be set for each camera with function to estimate recording possible time
Alarm Recording		Recording time: 2sec, 5sec, 10sec, 15sec, 30sec, 45sec, 1min, 2min, 5min, 10min, 20min, 30min, 60min and contact input
Pre-alarm Recording		Can be set from 1 sec. to 180 sec.

Item	Description
Emergency Recording	Emergency input terminal (rear)
Power Failure Recovery Recording	Auto-re-start of unit after power failure
Used Capacity Recording	Displays percentage of hard disk space used
Menu Language	English, German, French, Spanish and Russian
Motion Detection Function	16(H) x 12(V) detection area setting, 5 steps detection sensitivity setting, recoding start dot number setting
Timer Adjusting Function	Time adjusting input (rear terminal)
Retrieval	Date & Time search, index search, skip search, alarm list search, camera filtering search
Multiplexer Function	Split display: 4/ 9/16 split display x 2 Sequential display: 1/4/ 9 display x 2
Ethernet	10 BASE-T (RJ-45)
Remote Access Interface	RS-232C (D-SUB 9pins)
Power Supply	AC100-240V 50/60Hz
Power Consumption	0.3A (240V)
Operational Conditions	Temperature: 5ºC-40ºC Humidity: 30%-80% Altitude: Max 2000m
Dimensions (W x D x H)	425 x 375 x 118mm
Weight	7kg
Accessories	AC power code (UK and Continental plug) Instruction manual (English) Quick Guide (English, German, French, Spanish and Russian)

DX-TL2500E