








Security solutions  
that stand out  
from the crowd




## Security Recorders

	MPEG-4				JPEG		
		 COMING SOON!	 COMING SOON!	 COMING SOON!			
	DX-TL4E	DX-TL304E	DX-TL308E	DX-TL5716E	DX-TL4509E	DX-TL4516E	DX-TL5000E
<b>Video Inputs</b>	4	4	8	16	9	16	16
<b>Audio Inputs</b>	1	1	1	2	1	1	4 (Optional Card)
<b>Multiplexer Functions</b>	4 Way and Single View	4 Way and Single View	4,9 and Single View	4,9,10,13,16 and Single View	4,9 and Single View	4,9,10,13,16 and Single View	4,9,10,13,16 and Single View
<b>Covert Camera</b>	YES	YES	YES	YES	YES	YES	YES
<b>Password Protection</b>	2 Levels	Multi Password Options	Multi Password Options	Multi Password Options	3 Levels	3 Levels	3 Levels
<b>Motion Detection</b>	Single Pattern per Camera	Two Pattern per Camera	Two Pattern per Camera	Two Pattern per Camera	Two Pattern per Camera	Two Pattern per Camera	Two Pattern per Camera
<b>Maximum Recording Rate (PPS)</b>	100 IPS	100 IPS	200 IPS	400 IPS	100 FPS	100 FPS	200 FPS
<b>Compression Method</b>	MPEG 4	MPEG 4	MPEG 4	MPEG 4	JPEG2000	JPEG2000	JPEG2000
<b>Maximum Resolution</b>	450 TVL	450 TVL	450 TVL	450 TVL	450 TVL	450 TVL	450 TVL
<b>Pre-Post Alarm</b>	Both Post & Pre Alarm Options	Both Post & Pre Alarm Options	Both Post & Pre Alarm Options	Both Post & Pre Alarm Options	Both Post & Pre Alarm Options	Both Post & Pre Alarm Options	Both Post & Pre Alarm Options
<b>Alarm Inputs</b>	4	4	8	16	9	16	16
<b>Spot Monitor with Split / Sequence</b>	NO	YES	YES	YES	YES	YES	YES
<b>LAN</b>	YES	YES	YES	YES	YES	YES	YES
<b>Web Server</b>	NO	YES	YES	YES	YES	YES	YES
<b>Duplex</b>	YES	YES	YES	YES	YES	YES	YES
<b>Storage Options</b>	Single Drive (160GB IDE)	2 x Internal HDD	2 x Internal HDD	2 x Internal HDD	2 x Internal HDD	2 x Internal HDD	4 x Internal HDD
<b>Maximum Storage Capacity</b>	500GB (IDE)	10 HDD's Total (Using External ZD5 / 6 HDD Storage)	10 HDD's Total (Using External ZD5 / 6 HDD Storage)	18 HDD's Total (Using External ZD5 / 6 HDD Storage)	16 HDD's Total (Using External ZD5 / 6 HDD Storage)	16 HDD's Total (Using External ZD5/6 HDD Storage)	16 HDD's Total (Using External ZD5 / 6 HDD Storage)
<b>Serial Interface</b>	RS232	RS232	RS232	RS232	RS232	RS232	RS232
<b>Archive</b>	USB Download	USB Download	USB Download	CD/DVD-R/RW Drive or USB Memory Stick	CD/DVD-R/RW Drive or USB Memory Stick	CD/DVD-R/RW Drive or USB Memory Stick	CD/DVD-R/RW Drive or USB Memory Stick
<b>Archive Options</b>	USB or Via Mitsubishi Software	USB or Via Mitsubishi Software	USB or Via Mitsubishi Software	USB/CD/DVD-R/RW or Via Mitsubishi Software	USB/CD/DVD-R/RW or Via Mitsubishi Software	USB/CD/DVD-R/RW or Via Mitsubishi Software	USB/CD/DVD-R/RW or Via Mitsubishi Software
<b>Hardware Options</b>	N/A	KB5 Keyboard, ZD5 / 6 Hard Disk Extender	KB5 Keyboard, ZD5 / 6 Hard Disk Extender	KB5 Keyboard, ZD5 / 6 Hard Disk Extender	KB5 Keyboard, ZD5 / 6 Hard Disk Extender	KB5 Keyboard, ZD5 / 6 Hard Disk Extender	KB5 Keyboard, ZD5 / 6 Hard Disk Extender
<b>Telemetry</b>	RS232 Only	RS422 / RS485 Coaxial (Pelco, Dennard)	RS422 / RS485 Coaxial (Pelco, Dennard)	RS422 / RS485 Coaxial (Pelco, Dennard)	RS422 / RS485 Coaxial (Pelco, Dennard)	RS422 / RS485 Coaxial (Pelco, Dennard)	RS422 / RS485 Coaxial (Pelco)
<b>Software Option</b>	Mitsubishi RAS, Nethunter	Mitsubishi Nethunter, Web Browser	Mitsubishi Nethunter, Web Browser	Mitsubishi Nethunter, Web Browser	Mitsubishi Nethunter, Web Browser	Mitsubishi Nethunter, Web Browser	Mitsubishi Nethunter, Web Browser
<b>Dimensions WxHxDmm</b>	340 x 46 x 310 mm	300 x 88 x 350 mm	300 x 88 x 350 mm	425 x 133 x 375 mm	425 x 133 x 375 mm	425 x 133 x 375 mm	425 x 185 x 390 mm
<b>Weight</b>	3.2kg	6.7kg (without HDD)	6.7kg (without HDD)	10.5kg	10.5kg	10.5kg	13.5kg






# Cameras

CAMERAS				
	 <b>NM-VS100</b>	 <b>NM-C150SD</b>	 <b>NM-C130FD</b>	 <b>NM-C110</b>
<b>Model Description</b>	4 Channel Network Encoder	Speed Dome	Vandal Proof Dome	Network Camera
<b>Display Resolutions</b>	D1(720x576) / VGA(640x480) / CIF(352x288) / QCIF(176x144)	D1 (720x576), 640x480, 320x240, 160x120	D1 (720x576), 640x480, 320x240, 160x120	640x480, 320x240, 160x120
<b>Maximum Frame Rate</b>	Max 25 fps @ D1 Resolution	Max 25 fps @ 720x576 Resolution	Max 25 fps @ 720x576 Resolution	Max 25 fps @ 640x480 Resolution
<b>Video Compression Format</b>	MPEG-4	MPEG-4	MPEG-4	MPEG-4
<b>Compression Option</b>	VBR / CBR	N/A	N/A	VBR / CBR
<b>Audio Compression Format, I/O Terminal</b>	PCM, Full Duplex, 16/8 kbps 3.5mm Mic In x1 and Speaker Out x1	PCM, Full Duplex, 16/8kbps 3.5mm Mic In x1 and Speaker Out x1	PCM, Full Duplex, 16/8kbps 3.5mm Mic In x1 and Speaker Out x1	PCM, Full Duplex, 16/8kbps 3.5mm Mic In x1 and Speaker Out x1
<b>Alarm and Event Management</b>	Built-in Motion Detection, (M.D.) Adjustable Sensitivity and Dwelling Time, Emailing, FTP	Built-in Motion Detection Adjustable Sensitivity and Dwelling Time, Emailing	Built-in Motion Detection (M.D.) Adjustable Sensitivity and Dwelling Time, Emailing	(M.D.) Adjustable with Size, Position, Sensitivity and Time Emailing, FTP
<b>External Alarm I/O Terminal</b>	Alarm In x2, Alarm Out (Relay) x1	Alarm In x2, Alarm Out x1	N/A	2 Inputs, 1 Output (Relay)
<b>Protocols</b>	TCP / IP, UDP, HTTP, RTP, RTSP, DHCP, SMTP, DDNS	TCP / IP, UDP, HTTP, RTP, RTSP, DHCP, SMTP, DDNS	TCP / IP, UDP, HTTP, RTP, RTSP, DHCP, SMTP, DDNS	TCP / IP, UDP, HTTP, RTP, RTSP, DHCP, SMTP, DDNS
<b>Ethernet</b>	10 Base-T / 100 Base-T	10 Base-T / 100 Base-T	10 Base-T / 100 Base-T	10 Base-T / 100 Base-T
<b>Pre / Post Event Recording Time</b>	Max 180 Sec	Max 180 Sec	Max 180 Sec	N/A
<b>Image Setting</b>	Colour, Brightness, Contrast	Colour, Brightness, Contrast	Colour, Brightness, Contrast	N/A
<b>Event, Schedule, Manual Recording</b>	YES	YES	YES	N/A
<b>Email Notification</b>	YES	YES	YES	N/A
<b>Remote Upgrade</b>	YES	YES	YES	N/A
<b>Time, Event, Alarm, Motion Searching</b>	YES	YES	YES	N/A
<b>Remote Set-up / Viewer</b>	YES	YES	YES	N/A
<b>Access Level</b>	YES	YES	YES	N/A
<b>Multicasting Capability</b>	YES	YES	YES	N/A
<b>Bandwidth Control</b>	YES	YES	YES	N/A
<b>Supported OS</b>	Microsoft Windows 2000 / XP	Microsoft Windows 2000 / XP	Microsoft Windows 2000 / XP	Microsoft Windows 2000 / XP
<b>Web Browser</b>	IE 6.0	IE 6.0	IE 6.0	IE 6.0
<b>White Balance</b>	N/A	N/A	ATW / AWC / Manual	Auto / Manual
<b>Exposure</b>	N/A	N/A	Auto / Manual Shutter / Flickerless / AGC	Auto DC Iris / Electronic Shutter / AGC
<b>AGC</b>	N/A	N/A	Off / Low / Middle / High	N/A
<b>Auto Iris Control</b>	N/A	N/A	Manual / DC	N/A
<b>Sens-up</b>	N/A	N/A	Off / Auto (x2-x128)	N/A
<b>BLC</b>	N/A	N/A	Off / Low / Middle / High	N/A
<b>Display Title</b>	N/A	N/A	Off / On	N/A
<b>Mirror</b>	N/A	N/A	Off / On	N/A
<b>Privacy Zone</b>	N/A	N/A	Off / On (4 Point)	N/A
<b>Day and Night</b>	N/A	N/A	Auto / Colour / B/W	N/A
<b>DNR</b>	N/A	N/A	Off / Low / Middle / High	N/A
<b>Shutter Speed</b>	N/A	N/A	N/A	1/10,000 ~ 1/30 Sec
<b>Low Shutter</b>	N/A	N/A	N/A	1/30 ~ 1/15 Sec
<b>Preset</b>	N/A	N/A	Default / Save / End	N/A
<b>Panning Angle (Optional)</b>	N/A	360° Continuous Rotation	N/A	N/A
<b>Tilt Angle</b>	N/A	-10° ~ 90 °	N/A	N/A
<b>Max Speed</b>	N/A	380° / Sec	N/A	N/A
<b>Power Source</b>	5VDC	12VDC	12VDC	12VDC (2-Pin Wire)
<b>Power Consumption</b>	10W	12W (Max)	6W	3W
<b>RS-485 Interface</b>	1EA, PTZ Control, Terminal Type	N/A	N/A	N/A
<b>Video Output</b>	BNC Connector	BNC Connector	BNC Connector	RJ45 Control
<b>Lens Mount</b>	N/A	N/A	N/A	C mount, CS Mount
<b>Operating Temperature</b>	0°C~+45°C	0°C~+45°C	0°C~+45°C	0°C~+45°C
<b>Operating Humidity</b>	N/A	0 - 90% (Non-condensing)	0 - 96% (Non-condensing)	N/A
<b>Dimensions</b>	165 x 30 x 97 mm	ø125.0 x 202 mm	ø145.0 x 117.2 mm (Bubble Diameter ø99.0 mm)	72.9 x 54 x 109.3 mm
<b>Weight</b>	360g	1.25kg	1.1kg	290g
<b>Weather Proof</b>	N/A	N/A	IP66	N/A

## LCD Displays

		LCD PUBLIC DISPLAY MONITORS		
				
		LDT321V	LDT421V	LDT461V
<b>Resolution</b>		1366 x 768 (WXGA)	1366 x 768 (WXGA)	1920 x 1080 (FHD)
<b>Format</b>		16:9	16:9	16:9
<b>Brightness</b>		500cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>
<b>Weight (Net)</b>		18kg with Stand 16kg without Stand	27.4kg with Stand 26kg without Stand	34.6kg with Stand 33kg without Stand
<b>Contrast Ratio</b>		1200:1	1500:1	1500:1
<b>Technology</b>		LCD	LCD	LCD
<b>HD Ready</b>		YES (720p)	YES (720p)	YES (1080p)
<b>Speakers</b>		7W + 7W	7W + 7W	7W + 7W
<b>Input / Output</b>	<b>Video Input</b>	BNC x1, RCA x1, S-Video x1	BNC x1, RCA x1, S-Video x1	BNC x1, RCA x1, S-Video x1
	<b>Audio Input</b>	RCA L/R x2, Stereo Mini Jack x1	RCA L/R x2, Stereo Mini Jack x1	RCA L/R x2, Stereo Mini Jack x1
	<b>RGB Input</b>	DVI-D (Digital) x1, Mini D-Sub 15 Pin x1, BNC, R, G, B, H, V x1	HDMI (with Digital Audio Support) x1, Mini D-Sub 15 Pin x1 BNC, R, G, B, H, V x1	HDMI (with Digital Audio Support) x2, Mini D-Sub 15 Pin x1 BNC, R, G, B, H, V x1
	<b>Audio Output</b>	RCA Pin Jack L/R x1	RCA Pin Jack L/R x1	HD/DVD BNC, Y Pb/Cb, Pr/Cr x1
	<b>RGB Output</b>	D-Sub 15 Pin	D-Sub 15 Pin	D-Sub 15 Pin
	<b>Communication</b>	D-Sub 9 Pin (RS232)	D-Sub 9 Pin (RS232)	D-Sub 9 Pin (RS232)
<b>Input</b>	<b>RGB Input Compatibility</b>	VGA, SVGA, XGA, WXGA, SXGA, UXGA	VGA, SVGA, XGA, WXGA, SXGA, UXGA	VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUGXA
<b>Signals</b>	<b>Video Input</b>	NTSC / 4.43NTSC / PAL / PAL-60 / SECAM	NTSC / 4.43NTSC / PAL / PAL-60 / SECAM	NTSC / 4.43NTSC / PAL / PAL-60 / SECAM
	<b>Compatibility</b>	480i, 480p, 576i / 576p, 720p, 1080i	480i, 480p, 576i / 576p, 720p, 1080i	480i, 480p, 576i / 576p, 720p, 1080i, 1080p
<b>Dimensions WxHxDmm (with the Stand)</b>		789 x 535 x 246 mm	1022 x 643.3 x 386.1 mm	1122 x 703.1 x 404.7 mm
<b>Dimensions WxHxDmm (without the Stand)</b>		789 x 476 x 133 mm	1022 x 612.0 x 126.8 mm	1122 x 663 x 163.3 mm
<b>Standard Accessories</b>		Power Cord, VGA (Mini D-Sub 15p) Cable, User Manual, Wireless Remote Control, AAA Battery x2, Clamper x2, Screw for Clamper x2, Main Switch Cover, Cable Holder, Desktop Stand	Power Cord, VGA (Mini D-Sub 15p) Cable, User Manual, Wireless Remote Control, AAA Battery x2, Clamper x2, Screw for Clamper x2, Main Switch Cover, Cable Holder, Desktop Stand	Power Cord, VGA (Mini D-Sub 15p) Cable, User Manual, Wireless Remote Control, AAA Battery x2, Clamper x2, Screw for Clamper x2, Main Switch Cover, Cable Holder, Desktop Stand
<b>Optional Accessories</b>		SP-321V Speakers	SP-421V Speakers	SP-461V Speakers
<b>Speaker Dimensions WxHxDmm</b>		75 x 545.8 x 83 mm	95 x 612 x 72.1 mm	95 x 663 x 81.6 mm
<b>Warranty</b>		3 Year Onsite Exchange	3 Year Onsite Exchange	3 Year Onsite Exchange

Display  
Walls

LARGE FORMAT DISPLAY WALLS						
						
	50XL	67XL	50PH	67PH	80PH	
<b>Technology</b>	DLP™ Technology (0.7" DMD Chip)	DLP™ Technology (0.7" DMD Chip)	DLP™ Technology (0.95" DMD Chip)	DLP™ Technology (0.95" DMD Chip)	DLP™ Technology (0.95" DMD Chip)	
<b>Native Resolution</b>	XGA (1024 x 768 Pixels)	XGA (1024 x 768 Pixels)	SXGA+ (1400 x 1050 Pixels)	SXGA+ (1400 x 1050 Pixels)	SXGA+ (1400 x 1050 Pixels)	
<b>Screen</b>	Size	50" (1015 x 761 mm)	67" (1359 x 1019 mm)	50" (1015 x 761 mm)	67" (1359 x 1019 mm)	78.7" (1600 x 1200 mm)
	Screen to Screen Gap	0.2-1.0 mm (typ.)*1	0.2-2.0 mm (typ.)*2	0.2-1.0 mm (typ.)*2	0.2-2.0 mm (typ.)*2	0.2-3.0 mm (typ.)*3
<b>Brightness</b>	Bright Mode	1000cd/m² (typ.)	500cd/m² (typ.)	1000cd/m² (typ.)	500cd/m² (typ.)	N/A
	Normal Mode	800cd/m² (typ.)	400cd/m² (typ.)	800cd/m² (typ.)	400cd/m² (typ.)	190cd/m² (typ.)
<b>Contrast Ratio</b>	1600:1 (typ)	1600:1 (typ)	1800:1 (typ.)	1800:1 (typ.)	1800:1 (typ.)	
<b>Colour Reproduction</b>	16.7 Million	16.7 Million	16.7 Million	16.7 Million	16.7 Million	
<b>Lamp System</b>	Lamp	High Pressure Lamp	High Pressure Lamp	High Pressure Lamp	High Pressure Lamp	High Pressure Lamp
	Average Lamp Life	6000 Hours (Bright Mode) 10000 Hours (Normal Mode)*4	6000 Hours (Bright Mode) 10000 Hours (Normal Mode)*4	6000 Hours (Bright Mode) 10000 Hours (Normal Mode)*4	6000 Hours (Bright Mode) 10000 Hours (Normal Mode)*4	4000 Hours*4
<b>Input Scanning Frequency</b>	Horizontal: 31.5kHz-78kHz Vertical: 49Hz-85Hz RGB Signal Level: 0.7Vp-p Positive/75fl	Horizontal: 31.5kHz-78kHz Vertical: 49Hz-85Hz RGB Signal Level: 0.7Vp-p Positive/75fl	Horizontal: 31.5kHz-78kHz Vertical: 49Hz-85Hz RGB Signal Level: 0.7Vp-p Positive/75fl	Horizontal: 31.5kHz-78kHz Vertical: 49Hz-85Hz RGB Signal Level: 0.7Vp-p Positive/75fl	Horizontal: 31.5kHz-78kHz Vertical: 49Hz-85Hz RGB Signal Level: 0.7Vp-p Positive/75fl	
<b>Analog RGB Signal Input</b>	Synchronous: TTL Level (Positive/Negative) Sync on Green	Synchronous: TTL Level (Positive/Negative) Sync on Green	Synchronous: TTL Level (Positive/Negative) Sync on Green	Synchronous: TTL Level (Positive/Negative) Sync on Green	Synchronous: TTL Level (Positive/Negative) Sync on Green	
<b>Control Signal Input / Ouput</b>	Mitsubishi Original Control Link: D-Sub 9 Pins x2 (Input, Output) Wire Remote: F3.5 Jack, IR Receiver	Mitsubishi Original Control Link: D-Sub 9 Pins x2 (Input, Output) Wire Remote: F3.5 Jack, IR Receiver	Mitsubishi Original Control Link: D-Sub 9 Pins x2 (Input, Output) Wire Remote: F3.5 Jack, IR Receiver	Mitsubishi Original Control Link: D-Sub 9 Pins x2 (Input, Output) Wire Remote: F3.5 Jack, IR Receiver	Mitsubishi Original Control Link: D-Sub 9 Pins x2 (Input, Output) Wire remote: F3.5 Jack, IR Receiver	
<b>Power Consumption (100 / 240V)</b>	195 / 195W	195 / 195W	195 / 195W	195 / 195W	195 / 195W	
<b>Power</b>	AC 100-240V ±10%, 50/60Hz ±1Hz	AC 100-240V ±10%, 50/60Hz ±1Hz	AC 100-240V ±10%, 50/60Hz ±1Hz	AC 100-240V ±10%, 50/60Hz ±1Hz	AC 100 – 240v ±10%, 50/60Hz ±1Hz	
<b>Operation</b>	Temperature	10°C~35°C	10°C~35°C	10°C~35°C	10°C~35°C	
	Humidity	20-80% (Non Condensing)	20-80% (Non Condensing)	20-80% (Non Condensing)	20-70% (Non Condensing)	20-80% (Non Condensing)
<b>Weight</b>	60kg	90kg	64kg	91kg	130kg	

\*1: Depending on configuration and environment. 1.0mm recommended for large walls to allow for expansion due to heat and humidity

\*2: Depending on configuration and environment. 2.0mm recommended for large walls to allow for expansion due to heat and humidity

\*3: Depending on configuration and environment. 3.0mm recommended for large walls to allow for expansion due to heat and humidity

\*4: Average lamp life is an average value that we obtained as a result of our original verification. This verification is not guaranteed

**50" Variations for XGA Resolution:**

VS-50XL50U – Standard Rear Access

VS-50XLW50U – Dual Lamp Rear Access

VS-50XLF50U – Front Access

VS-XLWF50U – Dual Lamp Front Access

**67" Variations for XGA Resolution:**

VS-67XL50U – Standard Rear Access

VS-67XLW50U – Dual Lamp Rear Access

VS-67XLF50U – Front Access

VS-67XLWF50U – Dual Lamp Front Access

**For PH series:**

Variations (all dual lamp)

VS-50PHF50U – Front Access

VS-60PHF50U – Front Access

## Accessories

### DX-ZD6E Extension Unit



The DX-ZD6E has been designed as a simple and easy way to increase the storage capacity of Mitsubishi DVR's offering a long term recording solution. Via a USB connection the DX-ZD6E can be connected to the DVR, which will automatically recognise the external memory unit and calculate how much additional storage is available.

**Compatible with:**

DX-TL5000E, DX-TL4516E, DX-TL4509E, DX-TL5716E, DX-TL308E, DX-TL304E

**Features:**

- USB Connection
- Connected Units:  
DX-TL5000E / DX-TL4516E / DX-TL4509E = Up to 14  
DX-TL304E / DX-TL308E = Up to 8  
DX-TL5716E = Up to 16
- Standard 500Gb
- Long term recording solution

### DX-KB5E Security Controller Keyboard



Designed for quick and easy control of digital security recorders the DX-KB5E comes in a sleek compact design with an intuitive layout for quick access to DVR controls. Fully featured the DX-KB5E comes with a joy stick for PTZ control of various dome cameras, LCD display to show the status of a DVR, jog/shuttle dial and multiplexer display buttons.

**Compatible with:**

DX-TL5000E, DX-TL4516E, DX-TL4509E, DX-TL5716E, DX-TL308E, DX-TL304E

**Features:**

- PTZ control of dome cameras
- Triplex playback
- Split screen buttons
- Jog shuttle dial for FF / REW / Playback operation

### Net Hunter IP

Net Hunter IP is an essential single-server video system managing IP cameras, NVRs and Mitsubishi DVRs, that includes fully featured remote access. Net Hunter IP combines the CCTV knowledge of Mitsubishi with a new design focus on usability, making Net Hunter IP an easy tool for mixed installation of IP and analogue Mitsubishi systems. Features and benefits include camera control, motion detection (HW), intelligent PTZ and archiving to a local drive. It is compatible with all of Mitsubishi's DVRs providing users the opportunity to migrate an IP solution easily.

**Compatible with:**

Mitsubishi IP systems, Box camera, Dome camera, PTZ camera, IP video server, NVR and Mitsubishi DVRs.

**Features:**

- Single server video surveillance for managing Mitsubishi IP cameras, Mitsubishi NVR and Mitsubishi DVRs
- Multiple clients supported
- Easy set up for Mitsubishi IP systems
- Live view and playback
- PTZ management
- Multiple view layout
- Multiple screen support for Mitsubishi Display Walls
- Remote configuration of IP systems and DVRs
- Hierarchy groups creation and maintenance
- MAPS management
- Hardware alarm triggered actions
- Automated and manual downloads of the recorded video

**COMING SOON!** – NV100 Mitsubishi Electric's IP, 16 Input Network Video Recorder