




security recorders  
that stand out  
from the crowd







# Security Recorders

SECURITY RECORDERS					
					
	DX-TL4E	DX-TL4509E	DX-TL4516E	DX-TL5000E	DS-3000RT
<b>Video Inputs</b>	4	9	16	16	8 - 64
<b>Audio Inputs</b>	1	1	1	4	8 - 64
<b>Multiplexer Functions</b>	4 Way Split and Single View	Sequence, Split	Sequence, Split	Sequence, Split	Sequence, Split
<b>Covert Camera</b>	YES	YES	YES	YES	YES
<b>Password Protection</b>	YES	YES	YES	YES	YES
<b>Motion Detection</b>	YES	YES	YES	YES	YES
<b>Maximum Recording Rate (PPS)</b>	100	100	100	200	800
<b>Compression Method</b>	MPEG4	JPEG2000	JPEG2000	JPEG2000	MPEG2
<b>Maximum Resolution</b>	450 Lines	450 Lines	450 Lines	450 Lines	450 Lines
<b>Pre-Post Alarm</b>	YES	YES	YES	YES	YES
<b>Alarm Inputs</b>	4	9	16	16	8 - 64
<b>Spot Monitor with Split / Sequence</b>	NO	YES	YES	YES	YES
<b>LAN</b>	YES	YES	YES	YES	YES
<b>Webserver</b>	NO	YES	YES	YES	YES
<b>Duplex</b>	YES	YES	YES	YES	YES
<b>Storage Options</b>	160Gb	400Gb, 800Gb	400Gb, 800Gb	250Gb, 500Gb, 1000Gb	upto 32TB per CPU
<b>Maximum Storage Capacity</b>	500Gb	8Tb	8Tb	8Tb	32Tb
<b>Serial Interface</b>	RS232	RS232	RS232	RS232	YES
<b>Archive</b>	USB or Optional External CD/DVD-RW/RW Drive	USB Stick, Built In CD/DVD-R/RW Drive	USB Stick, Built In CD/DVD-R/RW Drive	USB Stick, External HD, CD/DVD-R/RW Drive	USB Stick, Built In CD/DVD-R/RW Drive
<b>Archive Options</b>	As above	Download over Network CD-R, DVD, Hard Disk	Download over Network CD-R, DVD, Hard Disk	Download over Network CD-R, DVD, Hard Disk	DVD, HDD
<b>Hardware Options</b>	N/A	ZD5UE Hard Disk Extender	ZD5UE Hard Disk Extender	XGA, AUDIO, DX-HK5, additional HDD Mounting Kit, ZD5UE Hard Disk Extender	Custom Design
<b>Telemetry</b>	RS232	RS422 / 485	RS422 / 485	RS422 / 485	RS422 / 485
<b>Software Option</b>	Nethunter Compatible	Nethunter Compatible / PC200 / Web Browser	Nethunter Compatible / PC200 / Web Browser	Nethunter Compatible / PC200 / Web Browser	SDC Viewer (Freeware), Remote Access Kit
<b>Dimensions WxHxDmm</b>	340 x 46 x 310 mm	425 x 353 x 128 mm	425 x 353 x 128 mm	425 x 390 x 185 mm	On Application
<b>Weight</b>	3.2kg	10.5kg (with 2 HDD)	10.5kg (with 2 HDD)	13.5kg (Capacity 250Gb)	On Application

# LCD Displays

		LCD PUBLIC DISPLAYS		
				
		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 x 2, Clamper x 2, Screw for Clamper x 2, Main Switch Cover, Cable Holder, Desktop Stand	Power Cord, VGA (Mini D-Sub 15p) Cable, User Manual, Wireless Remote Control, AAA Battery x 2, Clamper x 2, Screw for Clamper x 2, 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 RTB	3 year RTB	3 year RTB

# Display Walls

LARGE FORMAT DISPLAY WALLS					
					
		50XL	67XL	50PH	67PH
<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)
<b>Native Resolution</b>		XGA (1024 x 768 pixels)	XGA (1024 x 768 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)
	Screen to Screen Gap	0.2-1.0 mm (typ.)*1	0.2-2.0 mm (typ.)*2	0.2-1.0 mm (typ.)*1	0.2-2.0 mm (typ.)*2
<b>Brightness</b>	Bright Mode	1000cd/m <sup>2</sup> (typ.)	500cd/m <sup>2</sup> (typ.)	1000cd/m <sup>2</sup> (typ.)	500cd/m <sup>2</sup> (typ.)
	Normal Mode	800cd/m <sup>2</sup> (typ.)	400cd/m <sup>2</sup> (typ.)	800cd/m <sup>2</sup> (typ.)	400cd/m <sup>2</sup> (typ.)
<b>Contrast Ratio</b>		1600:1 (typ)	1600:1 (typ)	1800:1 (typ.)	1800:1 (typ.)
<b>Colour Reproduction</b>		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
	Average Lamp Life	6000 Hours (Bright Mode) 10000 Hours (Normal Mode) *3	6000 Hours (Bright Mode) 10000 Hours (Normal Mode) *3	6000 Hours (Bright Mode) 10000 Hours (Normal Mode) *3	6000 Hours (Bright Mode) 10000 Hours (Normal Mode) *3
<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
<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
<b>Control Signal Input/Output</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
<b>Power Consumption (100 / 240V)</b>		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
<b>Operation</b>	Temperature	10°C-35°C	10°C-35°C	10°C-35°C	10°C-30°C
	Humidity	20-80% (Non Condensing)	20-80% (Non Condensing)	20-80% (Non Condensing)	20-70% (Non Condensing)
<b>Weight</b>		60kg	90kg	64kg	91kg

\*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

\*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

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Specifications subject to change without notice (E and OE)