











A high-speed photograph of a water splash, showing a central column of water rising from a pool at the bottom, surrounded by numerous smaller droplets and bubbles. The background is plain white.

crystal clear
display solutions

multimedia projectors

NAME CODES		PORTABLE SVGA/XGA				
S = SVGA X = XGA, W = WXGA H = SXGA+ F = Full HD L = 3LCD D = DLP						
		SD220U/XD221U	SD510U	XD500U	XD510U/XD520U	XD530E
Resolution		800x600 (SVGA) / 1024x768 (XGA)	800x600 (SVGA)	1024x768 (XGA)	1024x768 (XGA)	1024x768 (XGA)
Format		4:3 (16:9 available)	4:3 (16:9 available)	4:3 (16:9 available)	4:3 (16:9 available)	4:3 (16:9 available)
Brightness (ANSI Lumens)		2200 / 2300	2600	2000	2600 / 3000	3000
Weight		3,2kg	2,9kg	2,9kg	2,9kg	3,4kg
Contrast Ratio		2000:1	2000:1	2000:1	2000:1	2000:1
Technology		DMD 0.55"	DMD 0.55"	DMD 0.55"	DMD 0.55"	DMD 0.55"
HD Ready		No	No	No	No	No
Noise (*eco mode)		26dBA	29dBA	26dBA	29dBA	34dBA
Maximum Keystone Correction		Vertical +15° / -15°	Vertical +15°/-15°	Vertical +15°/-15°	Vertical +15°/-15°	Vertical +15°/-15°
Frequency fh (kHz)		15-80	15-80	15-80	15-80	15-80
fv (Hz)		50-85	50-85	50-85	50-85	50-85
Lens		Manual	Manual	Manual	Manual	Manual
Focal		f=22.0~24.2mm / f=19.9~23.9mm	f=18.4-22.0mm	f=19.9-23.9mm	f=18.4-22.0mm	f=18.4-22.0mm
Speakers		2W / 10W mono	2W mono	2W mono	2W mono	2W mono
Input / Output	Video Input	RCA x1 / RCA x1, S-Video x1	S-Video x1, RCA x1	S-Video x1, RCA x1	S-Video x1, RCA x1	S-Video x1, RCA x1
	Audio Input	Stereo Mini Jack (3,5mm)x1/x2	RCA Jack (L/R) x1	RCA Jack (L/R) x1	RCA Jack (L/R) x1	RCA Jack (L/R) x1
	RGB Input	Mini D-Sub 15 Pin x1 / Mini D-Sub 15 Pin x2	Mini D-Sub 15 Pin x2	Mini D-Sub 15 Pin x2	Mini D-Sub 15 Pin x2	Mini D-Sub 15 Pin x2 / DVI-D
	Audio Output	no / Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1
	RGB Output	no / Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1
	Communication (via System Operation Remote)	RS232C (8 Pin) / RS232C (8 Pin), RJ-45 x1	RS232C (9 Pin), USB for page up and down	RS232C (9 Pin), USB for page up and down	RS232C (9 Pin), USB for page up and down	RS232C (9 Pin), USB for page up and down
DC Output 5V (1,5A max)	No	No	No	No	No	
Input	RGB Input Compatibility	VGA, SVGA, XGA, comp. SXGA	VGA, SVGA, XGA, comp. SXGA (incl.WXGA)	VGA, SVGA, XGA, comp. SXGA (incl.WXGA)	VGA, SVGA, XGA, comp. SXGA (incl.WXGA)	VGA, SVGA, XGA, comp. SXGA (incl.WXGA)
Signals	Video Input Compatibility	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz)
Dimensions WxHxDmm		320x104x236	332x102x250	332x102x250	332x102x250	332x102x250
Maximum Lamp Life (*eco mode)		4000 hours	4000 hours	3000 hours	4000 hours / 3000 hours	3000 hours
Standard Accessories		Power Cord, RGB Cable, Remote Control, Soft Carry Case, Manual on CD, Safety Manual, Quick Start Guide	Power Cord, RGB Cable, Composite Cable, Remote Control, Lens Cap, Soft Carry Case, Manual on CD, Safety Manual	Power Cord, RGB Cable, Comp. Cable, Remote Control, Lens Cap, Soft Carry Case, Manual on CD, Safety Manual	Power Cord, RGB Cable, Composite Cable, Remote Control, Lens Cap, Soft Carry Case, Manual on CD, Safety Manual	Power Cord, RGB Cable, Composite Cable, Remote Control, Lens Cap, Soft Carry Case, Manual on CD, Safety Manual
Replacement Lamp		VLT-SD220LP / VLT-XD221LP	VLT-XD510LP	VLT-XD500LP	VLT-XD510LP / VLT-XD520LP	VLT-XD520LP
Optional Lenses		No	No	No	No	No
Mechanical Lens Shift		No	No	No	No	No
Virtual Lens Shift		No	No	No	No	No
Instant Shutdown		Yes	Yes	Yes	Yes	Yes
Diagnostic Function		No	No	No	No	No
Warranty		Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use

multimedia projectors

NAME CODES		WXGA / SXGA+				
S = SVGA X = XGA, W = WXGA H = SXGA+ F = Full HD L = 3LCD D = DLP						
		WD500U-ST	WD510U	WL2650U	HL2750U	MH2850U
Resolution		1280x800 (WXGA)	1280x800 (WXGA)	1280x800 (WXGA)	1400x1050 (SXGA+)	1400x1050 (SXGA+)
Format		8:5 (4:3 Zoom and Stretch Options available)	8:5 (4:3 Zoom and Stretch Options available)	8:5 (4:3 Zoom and Stretch Options available)	5:4 (16:9 available)	5:4 (16:9 available)
Brightness (ANSI Lumens)		2100	2600	3500	3100	3100
Weight		3.4kg	3.2kg	4.7kg	4.9kg	4.9kg
Contrast Ratio		2500:1	2000:1	600:1	600:1	600:1
Technology		DMD 0.65"	DMD 0.65"	3LCD 0.75"	3LCD 0.8"	3LCD 0.8"
HD Ready		Yes	Yes	Yes/No	No	Yes
Noise (*eco mode)		29dBA	29dBA	29dBA	29dBA	29dBA
Maximum Keystone Correction		Vertical +15°/-10°	Vertical +15°/-10°	Vertical +35°/-35° , Horizontal +25°/-25°	Vertical +35°/-35° , Horizontal +25°/-25°	Vertical +35°/-35° , Horizontal +25°/-25°
Frequency fh (kHz)		15-80	15-80	15-100	15-100	15-100
fv (Hz)		50-85	50-85	50-120	50-120	50-120
Lens		Manual	Manual	Manual	Manual	Manual
Focal		f=7,7mm	f=18.4~22.0mm	f=24.0-29.0mm	f=24.0-29.0mm	f=24.0~29.0mm
Speakers		2W mono	2W mono	3W mono	3W mono	3W mono
Input / Output	Video Input	S-Video x1, RCA x1	S-Video x1, RCA x1	S-Video x1, RCA x1	S-Video x1, RCA x1	S-Video x1, RCA x1
	Audio Input	Stereo Mini Jack x1, RCA Jack (L/R) x1	Stereo Mini Jack x1, RCA Jack (L/R) x1	Stereo Mini Jack x2, RCA Jack (L/R) x2	Stereo Mini Jack x2, RCA Jack (L/R) x2	Stereo Mini Jack x2, RCA Jack (L/R) x2
	RGB Input	Mini D-Sub 15 Pin x2, DVI-D x1	Mini D-Sub 15 Pin x2 / DVI-D x1	Mini D-Sub 15 Pin x2, DVI-D (HDCP) x1	Mini D-Sub 15 Pin x2, DVI-D (HDCP) x1	Mini D-Sub 15 Pin x2, DVI-D (HDCP) x1
	Audio Output	Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1	Stereo Mini Jack (3,5mm) x1
	RGB Output	Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1	Mini D-Sub 15 Pin x1
	Communication (via System Operation Remote)	RS232C (9 Pin) x1, USB for Page Up/Down,	RS232C (9 Pin) x1, USB for Page Up/Down,	RS232C (9 Pin), USB for Mouse, LAN (RJ-45)	RS232C (9 Pin), USB for Mouse, LAN (RJ-45)	RS232C (9 Pin), USB for Mouse, LAN (RJ-45)
DC Output 5V (1,5A max)	No	No	No	No	No	
Input	RGB Input Compatibility	VGA, SVGA, XGA, WXGA, comp. SXGA	VGA, SVGA, XGA, WXGA, comp. SXGA	VGA, SVGA, XGA, WXGA, comp. UXGA, SVGA	VGA, SVGA, XGA, SXGA, SXGA+, comp. UXGA	VGA, SVGA, XGA, WXGA, SXGA+, comp. UXGA
Signals	Video Input Compatibility	NTSC/NTSC4.43/PAL (Including PAL-M, N), SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 60Hz), 1080i(1125i 50Hz)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 60Hz), 1080i(1125i 50Hz)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz), 1080p(11252p 50/60Hz), SCART (RGB +1V Sync)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz), 1080p(11252p 50/60Hz), SCART (RGB +1V Sync)	NTSC/NTSC4.43/PAL (Including PAL-M, N) / SECAM/PAL-60, Component Video: 480i/p(525i/p), 576i/p (625i/p), 720p(750p), 1080i(1125i 50/60Hz), 1080p(11252p 50/60Hz), SCART (RGB +1V Sync)
Dimensions WxHxDmm		332x102x250	332x102x250	333x113x272	333x125x272	333x113x272
Maximum Lamp Life (*eco mode)		4000 hours	4000 hours	4000/5000 hours	5000 hours	5000 Hours
Standard Accessories		Power Cord, RGB Cable, Composite Cable, Remote Control, Lens Cap, Soft Carry Case, Manual on CD, Safety Manual	Power Cord, RGB Cable, Composite Cable, Remote Control, Lens Cap, Soft Carry Case, Manual on CD, Safety Manual	Power Cord, RGB Cable, AV Cable, RS232C Cable, USB Cable, Remote Control, Manual on CD, Safety Manual	Power Cord, RGB Cable, AV Cable, RS232C Cable, USB Cable, Remote Contro Manual on CD, Safety Manual	Power Cord, RGB Cable, AV Cable, RS232C Cable, USB Cable, Remote Control Manual on CD, Safety Manual
Replacement Lamp		VLT-XD510LP	VLT-XD510LP	VLT-XL650P	VLT-XL650P	VLT-XL650P
Optional Lenses		No	No	Yes, 3	Yes, 3	Yes, 3
Mechanical Lens Shift		No	No	No	No	No
Virtual Lens Shift		No	No	No	No	No
Instant Shutdown		Yes	Yes	No	No	No
Diagnostic Function		No	No	Yes, via PJ Link	Yes, via PJ Link	Yes, via PJ Link
Warranty		Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use	Projector: 3 year, Lamp: 1 year or 500 hours use

professional LCD displays

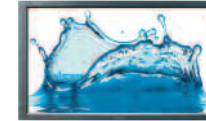
PROFESSIONAL LCD DISPLAYS



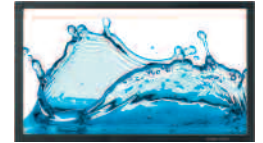
LDT321V



LDT421V



LDT461V



LDT521V

		LDT321V	LDT421V	LDT461V	LDT521V
Size		32"	42"	46"	52"
Resolution		1366 x 768 (WXGA)	1366 x 768 (WXGA)	1920 x 1080 (Full HD)	1920x1080 (Full HD)
Format		16:9	16:9	16:9	16:9
Brightness		500cd/m ²	500cd/m ²	500cd/m ²	450cd/m ²
Weight (Net)		18kg with Stand 16kg without Stand	27.4kg with Stand 26kg without Stand	36.4kg with Stand 33kg without Stand	39kg
Contrast Ratio		1200:1	1500:1	1500:1	1800:1
Technology		LCD	LCD	LCD	LCD
Speakers		7W + 7W	7W + 7W	7W + 7W	7W+7W
Input / Output	Video Input	BNC x1, RCA x1, S- Video x1	BNC x1, RCA x1, S- Video x1	BNC x1, RCA x1, S- Video x1	BNC x1 (composite), BNC x1 (component), DVI-D x1, HDMI x1 (PC/AV common), S-Video x1
	Audio Input	RCA L/R x2, Stereo Mini Jack x1	RCA L/R x2, Stereo Mini Jack x1	RCA L/R x2, Stereo Mini Jack x1	RCA (L/R) x2, Stereo Mini Jack x1
	RGB Input	DVI-D x1, Mini D-Sub 15 Pin x1, BNC, R, G, B, H, V x1	HDMI x1, Mini D-Sub 15 Pin x1, BNC, R, G, B, H, V x1	HDMI x1, Mini D-Sub 15 Pin x1, BNC, R, G, B, H, V x1	BNC x1, Mini D-sub 15Pin x1, DVI-D, HDMI x1 (PC/AV common)
	Audio Output	RCA Pin Jack L/R x1	RCA Pin Jack L/R x1	RCA Pin Jack (L/R) x1	RCA Pin Jack (L/R) x1
	Communication	D-Sub 9 Pin (RS232)	D-Sub 9 Pin (RS232)	D-Sub 9 Pin (RS232)	RS-232C (Mini D-Sub 9 Pin 1x in / 1x out), RJ45 LAN x1
Input	RGB Input Compatibility	VGA, SVGA, XGA, WXGA, SXGA, UXGA	VGA, SVGA, XGA, WXGA, SXGA, UXGA	VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUGXA	VGA, SVGA, XGA, WXGA, SXGA, UXGA (comp.) WUGXA
Signals	Video Input Compatibility	NTSC / 4.43NTSC / PAL (incl PAL-M N) / PAL-60 / SECAM, 480i, 480p, 576i/576p, 720p, 1080i	NTSC / 4.43NTSC / PAL (incl PAL-M N) / PAL-60 / SECAM, 480i, 480p, 576i/576p, 720p, 1080i	NTSC / 4.43NTSC / PAL (incl PAL-M N) / PAL-60 / SECAM, 480i, 480p, 576i/576p, 720p, 1080i, 1080p	NTSC / 4.43NTSC / PAL (incl PAL-M N) / PAL-60 / SECAM, 480i, 480p, 576i/576p, 720p, 1080i, 1080p
Dimensions WxHxDmm (with the Stand)		789 x 535 x 246 mm	1022 x 643.3 x 386.1 mm	1122 x 703.1 x 404.7 mm	-
Dimensions WxHxDmm (without the Stand)		789 x 476 x 133 mm	1022 x 612.0 x 126.8 mm	1122 x 663 x 163.3 mm	1254x149x742
Standard Accessories		Power Cord, VGA (Mini D-Sub 15p) Cable, User Manual, Wireless Remote Control, 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, 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, Clamper x 2, Screw for Clamper x 2, Main Switch Cover, Cable Holder, Desktop Stand	Power Cord Remote Control, Temporary Stand, 2 Stand hole projection covers, User Manual, CD-Rom
Optional Accessories		SP-321V Speakers	SP-421V Speakers	SP-461V Speakers	SP-521V Speakers
Speaker Dimensions WxHxDmm		75 x 545.8 x 83 mm	95 x 612 x 72.1 mm	95 x 663 x 81.6 mm	-
Viewing Angle		H: ±88° / V:±88°	H: ±88° / V:±88°	H: ±88° / V:±88°	H: ±88° / V:±88°
Landscape Mode		Yes	Yes	Yes	Yes
Portrait Mode		Not Guaranteed	Yes	Yes	Yes
Tiling Mode		Yes, up to 16 (4x4)	Yes, up to 16 (4x4)	Yes, up to 16 (4x4)	Yes, up to 25 (5x5)
Warranty		3 years Return to base	3 years Return to base	3 years Return to base	3 years Return to base


LDT651L(Landscape)

65"
1920x1080 (Full HD)
16:9
420cd/m ²
-
62kg
2000:1
LCD
7W+7W
BNC x1 (composite), BNC x1 (component), DVI-D x1 (PC/AV common)
RCA (L/R) x2, Stereo Mini Jack x1
BNC x1,, Mini D-sub 15Pin x1, DVI-D (PC/AV common)
RCA Pin Jack (L/R) x1
RS-232C (Mini D-Sub 9 Pin 1x in / 1x out), RJ45 LAN x1
VGA, SVGA, XGA, WXGA, SXGA, UXGA (comp.) WUXGA
NTSC / 4.43NTSC / PAL (incl PAL-M N) / PAL-60 / SECAM, 480i, 480p, 576i/576p, 720p, 1080i, 1080p
-
1572x923x150 mm
Power Cord, Remote Control, Temporary Stand, 2 Stand hole projection covers, User Manual, CD-Rom
SP-651 L/P Speakers
-
H: +/-88° / V: +/-88°
LDT651L
LDT651P
Yes, up to 25 (5x5)
3 years Return to base


LDT651P(Portrait)

65"
1920x1080 (Full HD)
16:9
450cd/m ²
-
66kg
2000:1
LCD
7W+7W
BNC x1 (composite), BNC x1 (component), DVI-D x1 (PC/AV common)
RCA (L/R) x2, Stereo Mini Jack x1
BNC x1,, Mini D-sub 15Pin x1, DVI-D (PC/AV common)
RCA Pin Jack (L/R) x1
RS-232C (Mini D-Sub 9 Pin 1x in / 1x out), RJ45 LAN x1
VGA, SVGA, XGA, WXGA, SXGA, UXGA (comp.) WUXGA
NTSC / 4.43NTSC / PAL (incl PAL-M N) / PAL-60 / SECAM, 480i, 480p, 576i/576p, 720p, 1080i, 1080p
-
1572x923x150 mm
Power Cord, Remote Control, Temporary Stand, 2 Stand hole projection covers, User Manual, CD-Rom
SP-651 P/L Speakers
-
H: +/-88° / V: +/-88°
LDT651L
LDT651P
Yes, up to 25 (5x5)
3 years Return to base

PROFESSIONAL QUAD HD DISPLAY
Quad HD

56P-QF60LCU

56"
3840 x 2160 (SUPER MVA LCD))
16:9
500cd/m ²
54kg
51kg
1200:1
LCD
No
No
No
DVI-D x4
No
RS232 D-Sub 9 Pin, LAN RJ-45 x1
VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUGXA, Quad HD
Digital RGB Video TMDS (DVI-D connector)
1333 x 832 x 133 mm
1333 x 872 x 420 mm
Power Cord, User Manual, Wireless Remote Control, AAA Battery x 2, Desktop Stand
No
No
H: ±88° / V:±88°
No
No
No
3 years Return to base



lens options



	XL1550U / XL2550U / WL2650U / HL2750U / MH2850U				
					
	Standard Lens	Short Throw Zoom OL-XL2550SZ	Med Throw Zoom OL-XD2550MZ	Long Throw Zoom OL-XD2550LZ	Tele Zoom OL-XD2550TZ
Focal Length (mm)		24 - 29	29 - 37	32 - 48	48 - 74
Throw Ratio		1.5 - 1.8	1.8 - 2.3	2.0 - 3.0	3.0 - 4.6
Length (mm)		115	129	180	170
Lens Size (mm)		69	69	73	73
Zoom / Focus	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual	Manual / Manual

	WD2000 / XD1000U / XD2000U / XD3200U / WD3300U				
					
	Standard Lens	Wide Angle OL-XD2000FR	Short Throw Zoom OL-XD2000SZ	Long Throw Zoom OL-XD2000LZ	Tele Zoom OL-XD2000TZ
Focal Length (mm)	24.5 - 33.1	11.5	19.6 - 26.5	32.4 - 40.5	40.7 - 65.1
Throw Ratio	1.7 - 2.4	0.8	1.35 - 1.85	2.1 - 2.85	2.9 - 4.7
Length (mm)		143	85	89	143
Lens Size (mm)		83	145	145	80
Zoom / Focus	Motorised / Motorised	Fixed / Motorised	Motorised / Motorised	Motorised / Motorised	Motorised / Motorised

	XL5900U / XL5980U / FL7000U / XL6500U / XL6600U / XL6700U / FL6900U				
					
	Standard Lens	Wide Angle OL-X500FR (3)	Short Throw Zoom OL-X500SZ	Long Throw Zoom OL-X500LZ	Tele Throw Zoom OL-X500TZ
Focal Length (mm)	51-64	22	37-44	64-90	93-140
Throw Ratio	1.9-2.4:1	0.8	1.3-1.6	2.4-3.3	3.4-5.2
Lens Shift	Yes	No	Yes	Yes	Yes
Length (mm)		168.8	175.2	195.9	197.3
Lens Size (mm)		123.6	84	84	84
Zoom / Focus	Motorised / Motorised	Fixed / Manual	Motorised / Motorised	Manual / Manual	Manual / Manual

NOTES (1) Is standard lens for WL2650U/HL2750U/MH2850U, is optional lens for XL1550U/XL2550U.
 (2) Is standard lens for XL1550U/XL2550U, is optional lens for WL2650U/HL2750U/MH2850U.
 (3) Lens shift not possible when using OL-X500FR