



Powerful features and functionality complimented by stunning image quality.

High Reliability - Engineered specifically for Industrial/Commercial Public Display Applications

Specifically engineered for Public Information Displays and Digital Signage applications. Mitsubishi LDT series monitors employ long-life components and specially selected panel specifications for commercial

High Grade Panel equipped

The native resolution of 1920x1080 (FHD) employed in 46"/52"/65" models, 1366×768 (WXGA) in 32"/42" models, enable to display precise highdefinition images both for Video and PC signals.

*For LDT461V/521V/651L/P



LDT series also features fast 6ms* response time for reproducing clear moving-pictures. High contrast and high brightness ensures clear and crisp picture quality.

*Gray to Gray LDT421V2:9ms







LDT series

Simulated Image

Industrial Form Factor with black, 4-sided symmetrical bezel design

Ensures that over time, as units are added or replaced in a given location, the appearance will remain uniform and unobtrusive. Also, the appear-

ance when mounted in portrait position remains symmetrical. All control keys such as power, input selection and picture controls are all neatly concealed under the monitor, not to be visible from the front.



Flexible Landscape & Portrait positioning

Engineered for heat dissipation and long-term reliability in both Landscape (horizontal) and Portrait (vertical) positions

*65" separates in 2 versions



Multiple Commercial Input & Output Interfaces/ Connectors

Reduced installation costs, connection and input flexibility with futureproofing are assured for a wide variety of signal types. These include: Multiple PC Inputs with D-Sub 15, DVI-D or HDMI, and 5BNC and an output for

looping several monitors. For standard video, BNC Video Inputs with Composite, Component and Y/C connections as well as an output for looping several monitors. Audio connectors are also included, as are speaker terminals for direct connection to external speakers.



42" LDT421V2 Input Panels

Flexible Input Signal Support

- Support for a wide variety of PC signals including VGA, SVGA, XGA, WXGA, SXGA, UXGA, and WUXGA for 46" and larger.
- · Support for a wide variety of Video signals including NTSC, PAL, SECAM, 480p, 720p, 1080i, and 1080p for 46" and larger.
- · Support for Audio with both PC and Video signals.

Auto Adjust & Auto Set-up

Automatically adjusts the screen position, phase and clock when the input signal timing is changed. In addition, Auto Set-up* quickly adjusts more items such as screen size, white & black levels with a single touch via the IR remote control. * Only for LDT321V/421V2/461V

Remote Management & Diagnostics via bi-lateral RS232 communications

Users can create their own user interface loaded on a controlling PC to remotely control or adjust monitors. 42" and larger models can also be daisy chained to save on cabling costs as illustrated below. Daisy chained monitors can be controlled or adjusted all at once. Using an unique ID number, each monitor up to 25 in a daisy-chain can also be controlled individually.



For 42" and 46" models, daisy chain capability also allows control of all daisy chained monitors simultaneously with the IR remote from a single master monitor location saving time on-site.



In addition, critical monitor health status such as input signal, cooling fan* and internal temperature can also be verified remotely. (The cooling fan will start automatically when the internal temperature rises beyond a certain limit.) Remote asset management is also available to verify model and serial number.

*Only for LDT321V/421V2/461V

Programmable Scheduling Function

The Monitor's operating schedule can be programmed for up to 7 different scheduled time intervals by time, day of week and input port. This can allow for content from a different input to be scheduled on certain moni-

tors within the same installation and also to extend the monitor's life and save power by turning it off during those hours or days that it is not required.



Power Save Function for both PC and Video signals

The monitor can be set to automatically go into power management mode when either the PC signal (RGB sync) or video input signal is lost. This saves both power and the need to individually turn off each monitor when not in use such as during the

time when a location is closed. *LDT521V/651L/P: For PC signal only



Multiple Screen-Saver Functions

To reduce image persistence and maximize panel life in demanding signage applications, the LDT series employs 4 different levels of screen saver functions, each of which can be set to meet the requirements of each application.

- An optimized gamma curve mode;
- Setting of the cooling fans to run continuously rather than automatically when the internal temperature reaches a specific level;
- A reduced brightness mode to limit the maximum brightness
- A Motion mode that shifts the image in 4 directions slightly at user selectable time intervals.
- *LDT521V/651L/P: Only Motion mode

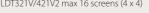


Tiling Capability with Frame Compensation

This allows for high impact signage with the ability to combine up to 25 monitors* (up to 5High x 5Wide) to create a single large image (i.e. Video

Wall) with compensation for the width of the monitor bezels in order to accurately display the content as a single image.





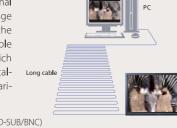
Multi-screen display of 5 x 5 = 25 screens at maximum



FRAME COMP function not applied.

Long Cable Compensation

Long runs in the RGB signal cable may cause loss in image quality. For this reason, the LDT461V includes a long cable compensation feature which can be turned on during instal- Long cable lation and is adjustable for various signal cable distances.



^{*}Applicable only for analog RGB (D-SUB/BNC)

Wide Range Color Temperature Adjustment

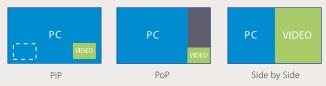
This allows for display color temperatures to be adjusted from 3,000K up to 10,000K. This wide range is especially important for industries such as broadcast, retail food and others where color accuracy and flesh tones are critical.



* Not available on LDT321V

PiP & PoP

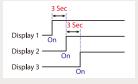
Picture-in-Picture and Picture-out-Picture are available to display content in a window from Video Input source when the main image is from a PC Input source and vice versa. 46" and larger models with their higher 1920 x 1080 native resolution can also display these 2 input sources in a side-byside mode, ideal in broadcast and video conferencing applications.



Power-on Delay

For installations employing numerous monitors, the power-on delay functions allow for setting each monitor to power up between 1-50 seconds

after the power is applied. This allows the monitors to power up sequentially, avoiding in-rush current problems and reduces the overall electrical load requirements when using the same power supply.



Side Border Color Select

When 4:3 screen is displayed, side border color can be selected from Black,







* Only for LDT321V/421V2/461V

IR Remote Lock

The remote control receiver can be turned off so that no changes can be made to the display settings or selected inputs by unauthorized personnel.

Removable Bezel

The popular 42" and 46" models have an easily removable front bezel design so that customers can change to other color bezel. (Silver color bezel is available as an option.)



^{*}Compensation level depends on the quality of signal source and cable.

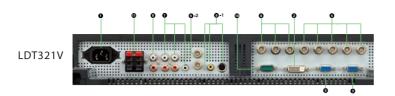
Full Lineup of Mitsubishi LDT Series Monitors

*CRO: Contrast Ratio Optimizer

0 1 3			110	101		5.11	112		
Resolution				KGA		Full		6.5	
Size			32	42	46	52	65	65	
Model			LDT321V	LDT421V2	LDT461V	EDT521V	LDT651L	LDT651P	
Dimension			789 83 133 133 133 133 133 133 133 133 133	1022 72 127 127 127 127 127 127 127 127 12	with without Stand 136 136 136 136 136 136 136 136 136 136	1254 92 149 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	1572 58 133 128 58 1432 Unit: mm	1002 440 156 150 150 150 150 150 100 100 100 100 100	
Specifications									
LCD module	Diagonal Pixel pitch Resolution Colour Brightness (typ.) Contrast ratio		Landscape/Portrait 31.51* (800mm) 0.511mm 1366 x 768 (WXGA) 16.7 Million 500cd/m² 1200 : 1	Landscape/Portrait 42.02" (1067mm) 0.681mm 1366 x 768 (WXGA) 16.7 Million 500cd/m² Max 1600:1 with CRO◆	Landscape/Portrait 45.99° (1168mm) 0.530mm 1920 x 1080 (FHD) 16.7 Million 500cd/m² 1500 : 1	Landscape/Portrait 52.04* (1322mm) 0.600mm 1920 x 1080 (FHD) 16.7 Million 450cd/m² 1800 : 1	Landscape 64.53" (1639mm) 0.744mm 1920 x 1080 (FHD) 16.7 Million 420cd/m² 2000 : 1	Portrait 64.53" (1639mm) 0.744mm 1080 x 1920 (FHD) 16.7 Million 450cd/m² 2000 : 1	
	Viewing angle (CR≧10) Response time		Up and Down 176°, Left and Right 176° 6ms (Gray to Gray)	Up and Down 178°, Left and Right 178° 9ms (Gray to Gray)	Up and Down 176°, Left and Right 176° 6ms (Gray to Gray)	Up and Down 176°, Left and Right 176° 6ms (Gray to Gray)	Up and Down 176°, Left and Right 176° 6ms (Gray to Gray)	Up and Down 176°, Left and Right 176° 6ms (Gray to Gray)	
Viewable size	Viewable size Power management		698mm x 392mm / 27.5" x 15.4"	930mm x 523mm / 36.6" x 20.6" VESA DPM	1018mm x 573mm / 40.1" x 22.5"	1152mm x 648mm / 45.4" x 25.5"	1428mm x 804mm / 56.2" x 31.7"	804mm x 1428mm / 31.7" x 56.2"	
Plug and play		VESA DDC2B, DDC/CI			VESA DPM / DVI DMPM VESA DDC2B				
Auto adjustment OSD user function			Brightness, Contrast, Black level, 700m, Pip Screen s	Yes (Position / Phase / Clock) Brightness, Contrast, Black level, Zoom, PiP, Screen saver, Side border colour, Gamma selection, Black level expansion, Heat status, Power-on delay, schedule, Tiling, etc.			Yes (Position / Phase / Clock) Brightness, Contrast, Black level, PIP, Screen motion, Power-on delay, schedule, Enlarge, etc.		
		Input connector (Analog)		BNC (R, G, B, H, V) , Mini D-sub 15 pin		BNC (R, G, B, H, V) (PC/AV common) , Mini D-sub 15 pin DVI-D (PC/AV common), HDMI (PC/AV common) DVI-D (PC/AV common) DVI-D (PC/AV common) Analog: 31.0 - 81.1kHz , Digital: 31.0 - 80.0kHz		in	
	PC Input / Output	(Digital) Output connector	DVI-D (PC/AV common)	HDMI (PC/AV common) Mini D-sub 15 pin	HDMI (PC/AV common) x2			DVI-D (PC/AV common)	
		Horizontal frequency	31.5 - 91.1kHz	15.625 / 15.734, 31.5 - 91.1kHz	15.625 / 15.734, 31.5 - 91.1kHz				
		Vertical frequency Video signal		50.0 / 58.0 - 85.0Hz Analog: Analog RGB, Digital: TMDS (with HDCP)			Analog: 56 - 76.2Hz, Digital: 60 - 75Hz Analog: Analog RGB, Digital: TMDS (with HDCP)		
		Sync signal	Separate (TTL)	Separate (TTL), Sync on Green	Separate (TTL), Composite (0.3V), Sync on Green	Separate (TTL), Composite (TTL), Sync on Green			
		Supported resolution	640x480, 800x600, 1024x768, 1280x768, 1360x76	58, 1280x1024, 1600x1200 (Compressed/Simplified)	640x480, 800x600, 1024x768, 1280x768, 1360x768, 1280x1024, 1600x1200 (Compressed/Simplified), 1920x1080,	640x480, 800x600, 1024x768, 1280x768, 1360x768, 1280x1024, 1600x1200 (Compressed/Simplified), 1920x1080, 1920x1200 (Compressed/Simplified)			
Input / Output				1920x1200 (Compressed/Simplified) Composite <bnc rca="">, Separate (Y/C) <s-terminal>,</s-terminal></bnc>			Composite <bnc>, Separate (Y/C)<s-terminal>, Composite <bnc>,</bnc></s-terminal></bnc>		
signal	AV Input / Output	Input connector (Analog)	DW D (DC(I))	Component (Y/Pb/Pr) <bnc></bnc>	UDM DC (N)	Component (Y/Pb/Pr) <bnc> (PC/AV common) Component (Y/Pb/Pr) <bnc> (PC/AV common)</bnc></bnc>			
		(Digital) Output connector	DVI-D (PC/AV common) Composite <bnc></bnc>	HDMI (PC/AV common) Composite <bnc></bnc>	HDMI (PC/AV common) x 2 Composite <bnc></bnc>	HDMI (PC/AV common) DVI-D (PC/AV common) — — — — — — — — — — — — — — — — — — —			
		Supported resolution		posite/Separate: NTSC, PAL, SECAM, 4.43NTSC, PAL60 onent/Digital: 480i, 480p, 720p, 1080i, 1080p (LDT461V)	·	Composite/Separate: NTSC, PAL, SECAM, 4.43NTSC, PAL60 Composite/Separate: NTSC, PAL, SECAM, 4.43NTSC, PAL60 Component: 480i, 480p, 720p, 1080i, 1080p Digital: 480i, 480p, 720p, 1080i, 1080p Component: 480i, 480p, 720p, 1080i Digital: 480i, 480p, 720p, 1080i, 1080p			
		Input connector (Analog)	Сопр	RCA pin-jack L/R x 2, Stereo mini jack		RCA pin-jack L/R, Stereo mini jack		Component. 400, 400p, 720p, 10001 Digital. 400, 400p, 720p, 1000, 1000p	
	AUDIO Input / Output	(Digital) Output connector	_	HDMI (HD: digital audio) RCA pin-jack L/R	HDMI (HD: digital audio) x 2	HDMI (digital audio) — — RCA pin-jack L/R			
	Speaker / Audio Output Control Input / Output Input connector Output connector			External speaker jack, 7W + 7W (8 ohm)		External speaker jack, 7W + 7W (6 ohm)			
			_	RS-232C <mini 9="" d-sub="" pin=""> RS-232C <mini 9="" d-sub="" pin=""></mini></mini>	RS-232C <mini 9="" d-sub="" pin=""></mini>	RS-232C <mini d-su<="" td=""><td colspan="2">RS-232C <mini 9="" d-sub="" pin="">, LAN <rj45> RS-232C <mini 9="" d-sub="" pin=""> RS-232C <mini 9="" d-sub="" pin=""></mini></mini></rj45></mini></td></mini>	RS-232C <mini 9="" d-sub="" pin="">, LAN <rj45> RS-232C <mini 9="" d-sub="" pin=""> RS-232C <mini 9="" d-sub="" pin=""></mini></mini></rj45></mini>		
Power Supply	Input voltage Power consumption		160W (140W without speaker)	AC100 - 240V, 50/60Hz 230W (210W without speaker)	285W (265W without speaker)	275W	AC100 - 240V, 50/60Hz 480W	560W	
	Power consumption at po	wer saving		Active Off < 5W (Mechanical Power SW Off: 0W)		Active Off < 12W	Active Off < 14W	Active Off < 10W	
Operational Environment	Temperature Humidity		5 to 40°C/41 to 104°F (Landscape Mode), 5 to 35°C/41 to 95°F (Portrait Mode) 20 - 80% (without condensation)				0 to 40°C / 32 to 104°F 20 - 80% (without condensation)		
Dimension (WxHxD)	Net with stand Net without stand		789mmx535mmx246mm / 31.1*x21.1*x9.7* 789mmx476mmx133mm / 31.1*x18.7*x5.2*	1022mmx643mmx386mm / 40.2"x25.3"x15.2" 1022mmx612mmx127mm / 40.2"x24.1"x5.0"	1122mmx703mmx405mm / 44.2"x27.7"x15.9" 1122mmx663mmx136mm / 44.2"x26.1"x5.4"	1254mmx742mmx149mm / 49.4*x29.2*x5.9*		923mmx1572mmx150mm / 36.3"x61.9"x5.9"	
3	Gross		930mmx645mmx324mm / 36.7"x25.4"x12.8"	1180mmx759mmx290mm / 46.5"x29.8"x11.4"	1285mmx885mmx275mm / 50.6"x38.8"x10.8"	1390mmx880mmx385mm / 54.7"x34.6"x15.2"	1720mmx1190mmx575mm / 67.7"x46.9"x22.6"	1170mmx1740mmx575mm / 46.1"x68.6"x22.6"	
Weight	Net with stand Net without stand		Approximately 17.5kg / 38.6lbs Approximately 16.2kg / 35.7lbs	Approximately 27.4kg / 60.3lbs Approximately 26.0kg / 57.2lbs	Approximately 34.6kg / 76.1lbs Approximately 33.0kg / 72.6lbs	Approximately 39kg / 86lbs	— Approximately 62kg / 137lbs	Approximately 66kg / 145lbs	
	Gross		Approximately 23.5kg / 51.8lbs	Approximately 33.5kg / 73.7lbs	Approximately 43.0kg / 94.6lbs	Approximately 47kg / 104lbs	Approximately 90kg / 198lbs	Approximately 91kg / 201lbs	
Wall mounting interface			III 600E0 1/C III /CE Marking TEN/ CC /CC III	12 holes (100mm / 3.9" pitches M6 screw)	UL60950-1/C-UL/CE Marking/TUV-GS/ BSMI/PSB/GOST-R/FCC-A/DOC-A/C-Tick/RoHS/	4 or 6 holes (200 x 200mm M6 screw) 4 holes (440 x 650 mm, M10 screw)			
Complied regulatory and guidelines			UL60950-1/C-UL/CE Marking/TUV-GS/BSMI/PSB/GOST-R/FCC-B/DOC-B/C-Tick/RoHS/US Mercury/ CCC only for Chinese model US Mercury/CCC only for Chinese model		BSMI/PSB/GOST-R/FCC-A/DOC-Ā/C-Tick/RoHS/ US Mercury/CCC only for Chinese model	UL60950-1/C-UL/CE Marking/GOST-R/FCC-A/DOC-A /C-Tick/RoHS/US Mercury			
Accessories			Power cord, VGA (Mini D-sub 15 pin) cable, User's manual, Wireless remote controller, Battery, Clamper, Screw for clamper, Screw for main switch cover, Main switch cover, Cable holder, Band, Screw for stand, Stand x 1pair		Power cord, User's manual, Wireless remote controller, Battery, CD-Rom 2 Stand hole protection cover				
Functions & Feat	turos								
Colour temperature	tures		5000K/6500K/9300K/User	2600-10000K (100k step)	2600-10000K (100k step)	3000-10000K (500k step)	3000-10000K (500k step)	3000-10000K (500k step)	
Digital zoom			✓ (Custom zoom)	✓ (Custom zoom)	✓ (Custom zoom)	✓ (No custom zoom)	✓ (No custom zoom)	✓ (No custom zoom)	
Tiling and frame comp PiP/PoP			Max. 4 x 4 PiP, PoP	Max. 4 x 4 PiP, PoP	Max. 5 x 5 PiP, PoP, Side by Side	2 x 2, 3 x 3, 4 x 4, 5 x 5 PiP, PoP, Side by Side	2 x 2, 3 x 3, 4 x 4, 5 x 5 PiP, PoP, Side by Side	2 x 2, 3 x 3, 4 x 4, 5 x 5 PiP, PoP, Side by Side	
Scheduling			V	V	V.	V	V	V	
Screen saver (Motion) Side border colour			✔ OFF (Black)/50% (Gray)/100% (White)	OFF (Black)/50% (Gray)/100% (White)	OFF (Black)/50% (Gray)/100% (White)	<u>~</u>		<u>~</u>	
Power-on delay			V	V	✓	✓	-	<u> </u>	
Long cable compensation Monitor control (RS232C)			(In)	 ✓ (In/Out)	 ✓ (Manual peaking control) ✓ (In/Out) 	— ✓ (In/Out)	— ✔(In/Out)	 ✓ (In/Out)	
Monitor control (LAN			— (II)	— (iii Suly	- (10 0 0 0)	V	✓	_	
Self diagnostics		/	V	•	✓	✓	V		

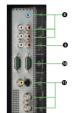
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Connector Terminal

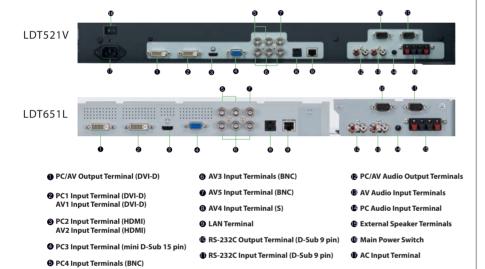


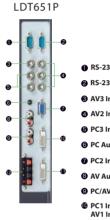
- AC IN Connector
- @ RGB 1 IN (DVI-D)
- RGB 2 IN (mini D-Sub 15 pin)
- 4 RGB 3 IN [R, G, B, H, V] (BNC)
- @RGB OUT (mini D-Sub 15 pin)
- O DVD/HD IN (BNC)
- **⋒** AUDIO IN 1, 2, 3
- **@** AUDIO OUT
- **©** VIDEO IN/OUT
- (External Control (mini D-Sub 9 pin)
- External Speaker Terminal





- External Speaker Terminal
- **@** AC IN Connector
- © LDT461V: RGB 1/RGB 2 IN (HDMI 1/HDMI 2) LDT421V2:RGB 2 IN (HDMI)
- 4 LDT461V: RGB 3 IN (mini D-Sub 15 pin) LDT421V2: RGB 2 IN (mini D-Sub 15 pin)
- © LDT461V: RGB 4 IN [R, G, B, H, V] (BNC) LDT421V2: RGB 3 IN [R, G, B, H, V] (BNC)
- (3) RGB OUT (mini D-Sub 15 pin)
- OVD/HD IN [Y, Pb/Cb, Pr/Cr] (BNC)
- @ AUDIO IN 1, 2, 3
- **©** AUDIO OUT
- ♠ External Control (mini D-Sub 9 pin)
- **①** VIDEO IN/OUT





- RS-232C Output Terminal (D-Sub 9 pin)
- RS-232C Input Terminal (D-Sub 9 pin)
- AV3 Input Terminal (BNC)
- AV2 Input Terminals (BNC)
- PC3 Input Terminals (BNC)
- PC Audio Input Terminal
- PC2 Input Terminal (mini D-Sub 15 pin)
- a AV Audio Input Terminals
- 9 PC/AV Audio Output Terminals
- PC1 Input Terminal (DVI-D) AV1 Input Terminal (DVI-D)
- PC/AV Output Terminal (DVI-D)
- External Speaker Terminals

Optional Bezel —

Optional Stereo Speakers











OB-421V-SL OB-461V-SL

Silver color bezel is available for LDT421V2 and 461V as an option.

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