MITSUBISHI ELECTRIC

Changes for the Better

LCD Public Display Range

Mitsubishi Electric is a global leader in the research, manufacturing and marketing of electrical and electronic equipment used in communications, consumer electronics, industrial technology, energy and transportation.

Mitsubishi's range of LCD displays has been designed to suit all digital signage applications within retail environments, public information points, reception areas and meeting rooms. The range includes 32", 42", 46" and 52" formats that all produce high definition images and come equipped with a host of features including a screen saver function, fast response times, high contrast and high brightness levels. All can be viewed in either landscape or portrait for impressive, maximum impact displays.

Designed specifically for commercial applications Mitsubishi's LCDs are built to last and provide a number of advantages over less expensive domestic products, including:

- Less screen glare
- Low heat generation
- Longer display life
- High impact displays in well lit applications
- Lighter weight

High quality image reproduction:
The native resolution of 1920 x 1080 (Full HD) employed in the 46" and the slim bezel 42", 52" options and 1366 x 768 (WXGA) in the 32" and 42" models produce precise, high definition images from both video and PC signals. Mitsubishi's range of public display monitors also feature fast response times that ensure fast moving images are also reproduced accurately; as well as high brightness and contrast ratios for crystal clear images and text even in well lit areas.

Colour adjustment:
The display colour temperature can be adjusted from 3,000k to 10,000k; this range is particularly important for industries such as broadcasting and retail where colour accuracy is critical.
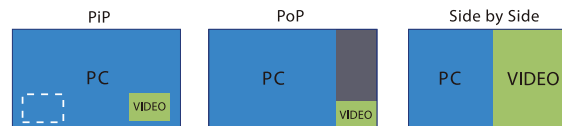
*Not available on the LDT3221V

The new MDT421S and MDT521S also feature a 6-axis colour adjustment function that enables users to be able to select a specific colour from R, G, B, C, M or Y with the remote control and adjust its hue and saturation independently.

PiP & PoP:
All LCDs come with a Picture-in-Picture and Picture-out-Picture function that allows users to display content in a window from a video source when the main image is from a PC input or vice versa.

*Photographs are simulated images

A side by side mode is also available on the MDT421S, LDT461V and MDT521S ideal for video conferencing.

Flexible installation solutions:
Engineered for heat dissipation and long term usage in landscape and portrait positions, Mitsubishi's LCDs offer installation flexibility. The advanced design of the MDT521S also allows in-floor installation.

In addition, Mitsubishi's range of LCDs have a standard VESA mount pattern and left/right panel holes for easy wall mounting and installation.
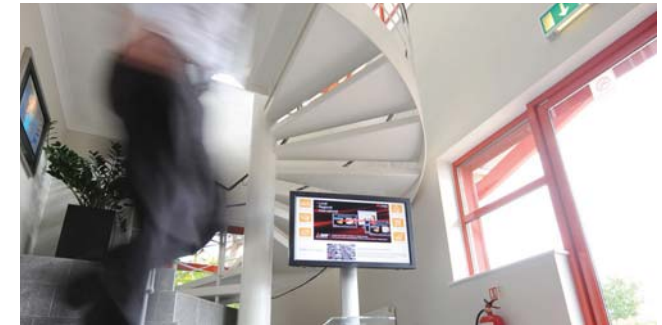
Tiling:
A high impact display can be created with Mitsubishi's LCDs, with up to 25 (5 x 5) panels being put together to create a display wall that can display split screen images or one complete image over all of the screens.

*LDT322V/LDT421V2 maximum of 16 screens (4 x 4)

Versatile input & output connections:
Mitsubishi's LCD range is equipped with a versatile range of input and output connections, helping to reduce installation costs and ensuring input flexibility and future proofing for new technologies. These include: multiple PC inputs with D-Sub

15pin, DVI-D or HDMI, 5 BNC and an output for looping several monitors. Audio connectors are also included, as are speaker terminals for direct connection of optional external speakers.

Additionally, the MDT521S has built in video and serial control via CAT5 (the MDT412S has a CAT5 receiver slot for the optional CAT5 receiver and transmitter kit). Supporting up to 150 metre cables lengths without any loss of image quality or degradation, these two models can have up to five LCDs series linked without the need for a separate serial-control cable.

*Cable length of 200metres is achieved when using multiple monitors.

**CAT 5 connectors can only be connected to the CAT 5 receiver box or the option available from Mitsubishi Electric - do not attempt to connect any other network hardware as this may damage the LCD.

Auto adjust & auto set up:
Auto adjust - adjusts the screen position, phase and clock automatically when the input signal timing is changed. Auto step* will quickly adjust screen size and black and white levels via the remote control.

*LDT322V / LDT421V2 / LDT461V only

Scheduling function:
An operating schedule can be programmed for up to seven different time intervals by time, day of week and input port. This allows content from different sources to be scheduled on specific monitors within the same installation, it also helps to extend the life of the monitor and saves power by being switched off when not in use.

Screen saver function:
To reduce image persistence and maximise the life of the LCD, there are four different levels of screen saver functions, each of which can be set to meet the requirements of the application.

Specifications

			WXGA	
			LDT322V	LDT421V2
		Size	32"	42"
		Bezel width	43mm	43mm
		Resolution	1366 x 768 (WXGA)	1366 x 768 (WXGA)
		Format	16:9	16:9
		Brightness	450cd/m²	500cd/m²
		Response time	6.5ms (gray to gray)	9ms (gray to gray)
		Weight (Net)	14.5kg	26kg
		Contrast Ratio	2500:1	1600:1
		Technology	LCD	LCD
		Dimensions W x H x D (Without stand)	789 x 476.3 x 133 mm	1022 x 612 x 127 mm
Input / Output signal	**PC Input / Output**	**Input Connector (Analogue)**	BNC (R,G,B,H,V) Mini D-Sub 15 pin	BNC (R,G,B,H,V) Mini D-Sub 15 pin
		(Digital)	DVI-D (PC / AV common)	HDMI (PC / AV common)
		Output Connector	Mini D-Sub 15 pin	Mini D-Sub 15 pin
		CAT5-Input	N / A	N / A
		CAT5-Output	N / A	N / A
		Horizontal Frequency	31.5 - 91.1 kHz	15.625 / 15.734, 31.5 - 91.1 kHz
		Vertical Frequency	50.0 / 58.0 - 85.0Hz	50.0 / 58.0 - 85.0Hz
		Video Signal	Analogue RGB, Digital; TMDS (with HDCP)	Analogue RGB, Digital; TMDS (with HDCP)
		Sync Signal	Separate TTL	Separate TTL, Sync on green
		Supported Resolution	640 x 480, 800 x 600, 1024 x 768, 1820 x 768, 1360 x 768, 1280 x 1024, 1600 x 1200 (compressed)	640 x 480, 800 x 600, 1024 x 768, 1820 x 768, 1360 x 768, 1280 x 1024, 1600 x 1200 (compressed)
	AV Input / Output	**Input Connector (Analogue)**	Composite <BNC / RCA>, Separate (Y / C) <S-Terminal>, Component (Y / Pb / Pr) <BNC>	Composite <BNC / RCA>, Separate (Y / C) <S-Terminal>, Component (Y / Pb / Pr) <BNC>
		(Digital)	DVI-D (PC / AV common)	HDMI (PC / AV common) x 2
		Output Connector	Composite <BNC>	Composite <BNC>
		Supported Resolution	Composite / Separate: NTSC, PAL, SECAM, 4.43 NTSC, PAL:60	Composite / Separate: NTSC, PAL, SECAM, 4.43 NTSC, PAL:60
	Audio Input / Output	**Input Connector (Analogue)**	RCA pin jack L / R x 2 Stereo Mini Jack	RCA pin jack L / R x 2 Stereo Mini Jack
		(Digital)	N / A	HDMI (HD: digital audio)
		Output Connector	RCA pin jack L / R	RCA pin jack L / R
	Speaker / Audio Output		External Speaker Jack 7W +7W (8ohm)	External Speaker Jack 7W +7W (8ohm)
	Control Input / Output	**Input Connector**	RS-232C <Mini D-Sub 9 pin>	RS-232C <Mini D-Sub 9 pin>
		Output Connector	N / A	RS-232C <Mini D-Sub 9 pin>
		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	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, Stand
		Optional accessories	SP-321V Speakers / ST-322V Stand	SP-421V Speakers / OB-421V-SL Optional Silver Bezel
		Wall mounting interface	12 Holes (100mm / 3.9" pitches)	12 Holes (100mm / 3.9" pitches)
		Speaker dimensions W x H	75 x 545.8	95 x 612
		Monitor control	RS-232 (in)	RS-232 (in / out)
		PiP / PoP	PiP, PoP	PiP, PoP
		Self diagonosis	Yes	Yes
		Landscape Mode	Yes	Yes
		Portrait mode	Yes	Yes
		In-Floor / Face Up	No	No
		Tiling mode	Yes, up to 16 (4x4)	Yes, up to 16 (4x4)
		Warranty	3 Year	3 Year

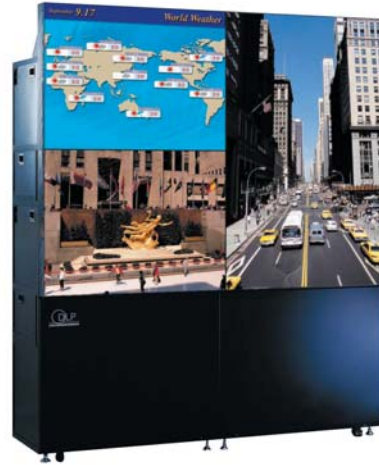| Full HD		
MDT421S	LDT461V2	MDT521S
42" Slim bezel	46"	52" Slim bezel
16mm	50.5mm	19.5mm
1920 x 1080 (Full HD)	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)
16:9	16:9	16:9
700cd/m²	450cd/m²	700cd/m²
9ms (gray to gray)	8ms (gray to gray)	8ms (gray to gray)
24kg	28kg	40kg
1100:1	4000:1	2000:1
LCD	LCD	LCD
966 x 559 x 116 mm	1122 x 663 x 136 mm	1202 x 688 x 122 mm
BNC (R,G,B,H,V) Mini D-Sub 15 pin	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
HDMI (PC / AV common) DVI-D (PC / AV common), DisplayPort	HDMI (PC / AV common) x 2	HDMI (PC / AV common) DVI-D (PC / AV common)
Mini D-Sub 15 pin	Mini D-Sub 15 pin	Mini D-Sub 15 pin
(Option) Modular 8 pin x 1 providing RGB differntial video and RS-485 control support	N / A	Modular 8 pin x 1 providing RGB differntial video and RS-485 control support
(Option) Modular 8 pin x 1 providing RGB differntial video and RS-485 control support	N / A	Modular 8 pin x 1 providing RGB differntial video and RS-485 control support
15.625 / 15.734, 31.5 - 91.1 kHz	15.625 / 15.734, 31.5 - 91.1 kHz	15.625 / 15.734, 31.5 - 91.1 kHz
50.0 / 58.0 - 85.0Hz	50.0 / 58.0 - 85.0Hz	50.0 / 58.0 - 85.0Hz
Analogue RGB, Digital; TMDS (with HDCP)	Analogue RGB, Digital; TMDS (with HDCP)	Analogue RGB, Digital; TMDS (with HDCP)
Analogue: Separate (TTL), Composite (0.3V), Sync on Green, Digital: TMDS	Separate TTL, Sync on green, Composite (0.3V)	Analogue: Separate (TTL), Composite (0.3V), Sync on Green, Digital: TMDS
640 x 480, 800 x 600, 1024 x 768, 1820 x 768, 1360 x 768, 1280 x 1024, 1600 x 1200 (compressed) 1920 x 1080, 1920 x 1200 (compressed)	640 x 480, 800 x 600, 1024 x 768, 1820 x 768, 1360 x 768, 1280 x 1024, 1600 x 1200 (compressed) 1920 x 1080, 1920 x 1200 (compressed)	640 x 480, 800 x 600, 1024 x 768, 1820 x 768, 1360 x 768, 1280 x 1024, 1600 x 1200 (compressed) 1920 x 1080, 1920 x 1200 (compressed)
Composite <BNC/RCA>, Separate (Y / C) <S-Terminal>, Component (Y / Pb / Pr) <BNC> (PC / AV common)	Composite <BNC/RCA>, Separate (Y / C) <S-Terminal>, Component (Y / Pb / Pr) <BNC>	Composite <BNC/RCA>, Separate (Y / C) <S-Terminal>, Component (Y / Pb / Pr) <BNC> (PC / AV common)
HDMI (PC / AV common) DVI-D (PC / AV common)	HDMI (PC / AV common) x 2	HDMI (digital audio)
Analogue: Composite BNC	Composite <BNC>	RCA pin jack L / R
Composite / Separate: NTSC, PAL, SECAM, 4.43 NTSC, PAL:60 Component: 480i, 480p, 720p, 1080i Digital: 480i, 480p, 720p, 1080i, 1080p	Composite / Separate: NTSC, PAL, SECAM, 4.43 NTSC, PAL:60	Composite / Separate: NTSC, PAL, SECAM, 4.43 NTSC, PAL:60 Component: 480i, 480p, 720p, 1080i Digital: 480i, 480p, 720p, 1080i, 1080p
RCA pin jack L / R x 2 Stereo Mini Jack	RCA pin jack L / R x 2 Stereo Mini Jack	RCA pin jack L / R x 2 Stereo Mini Jack
HDMI (digital audio)	HDMI (HD: digital audio) x 2	HDMI (digital audio)
RCA pin jack L / R	RCA pin jack L/R	RCA pin jack L / R
External Speaker Jack 7W +7W (8ohm)	External Speaker Jack 7W +7W (8ohm)	External Speaker Jack 7W +7W (8ohm)
RS-232C <Mini D-Sub 9 pin>	RS-232C <Mini D-Sub 9 pin>	RS-232C <Mini D-Sub 9 pin>
RS-232C <Mini D-Sub 9 pin>	RS-232C <Mini D-Sub 9 pin>	RS-232C <Mini D-Sub 9 pin>
Power Cord, VGA (Mini D-Sub 15p), User Manual, Wireless Remote Control, Battery, Clamper, Screw for Clamper	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	Power Cord, VGA (Mini D-Sub 15p), User Manual, Wireless Remote Control, Battery, Clamper, Screw for Clamper, CD-Rom
SP-421S Speakers / ST421S Optional Stand / OB-421S-AS Optional Silver Bezel / DP-1CA5 CAT 5 (Transmitter / Receiver)	SP-461V Speakers / OB-461V-SL Optional Silver Bezel	SP-521S Speakers / ST521S Optional Stand / OB-521S-AS Optional Silver Bezel
12 Holes (100mm / 3.94" pitches)	12 Holes (100mm / 3.9" pitches)	8 Holes (200mm / 7.87" pitches)
80 x 558.6	95 x 663	80 x 698
RS-232 (in / out) / RS-485 (option via CAT5)	RS-232 (in / out)	RS-232 (in / out) / RS-485 (via CAT5)
PiP, PoP and Side by Side	PiP, PoP and Side by Side	PiP, PoP and Side by Side
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	No	Yes
Yes, up to 25 (5 x 5)	Yes, up to 25 (5 x 5)	Yes, up to 25 (5x5)
3 Year	3 Year	3 Year

3 Years

Other Visual Products:

Data / Video Projectors

Display Video Wall Systems

LED Display Systems

Dealer stamp

MITSUBISHI ELECTRIC EUROPE (BENELUX Office)

Nijverheidsweg 23A, 3641 RP Mijdrecht - The Netherlands
Tel: +31 (0)297-282461 Fax: +31 (0)297-283936 - www.MitsubishiElectric.nl