



**MITSUBISHI  
ELECTRIC**

*Changes for the Better*

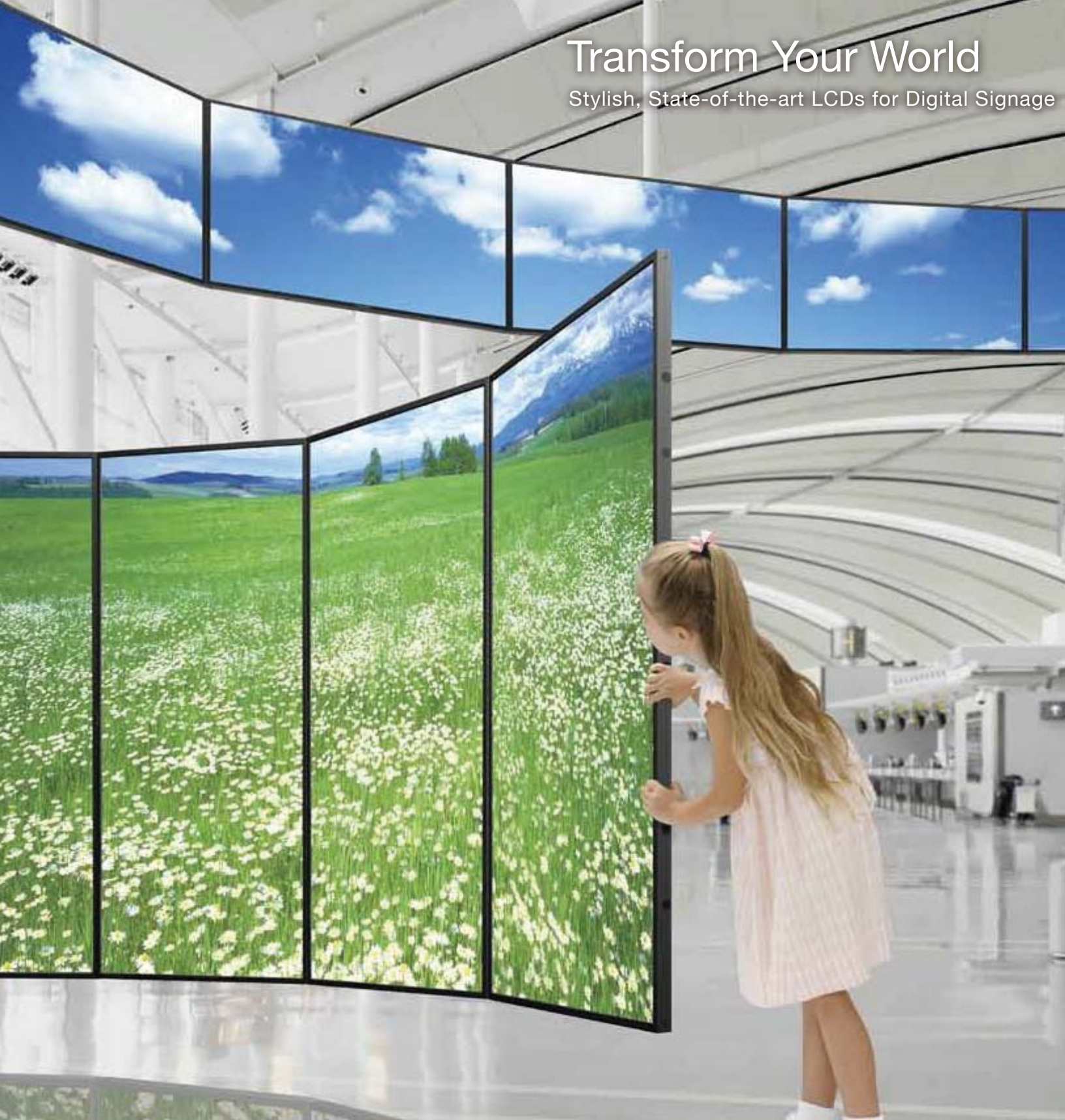
LCD PUBLIC DISPLAY

for a greener tomorrow



# Transform Your World

Stylish, State-of-the-art LCDs for Digital Signage





# From Public Spaces to Shops and Meeting Rooms:



\*Photographs are simulated images.

# Public Displays Matched to Diverse Digital Signage Applications

## Advanced MDT Series LCDs

Stylish LED-backlit models perfect for public spaces such as airports and train stations, and business or educational settings.



## MDT Series LCDs

Outstanding durability and advanced functions to withstand the demands of use in public spaces.



## Economical LDT Series LCDs

LCDs with eye-catching clarity and features that make them well suited to a range of digital signage applications.





# MDT552S/MDT701S

Advanced-performance LED-backlit Models with Business-use Durability



## High-definition LED-backlit Panels Pursuing the Durability Sought by Professionals

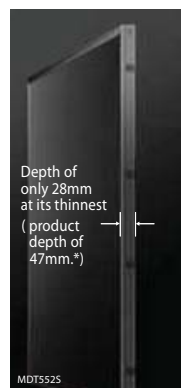
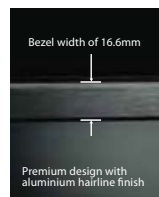
New-generation commercial-grade LED-backlit panels realise high brightness and contrast, and provide superior durability for long-term operation.



## Slim & Lightweight Design

The MDT552S boasts impressive figures: a panel depth of only 47mm\*, a 16.6mm narrow-bezel design and a weight of only 28.5kg. The aluminium-bezel design adds a stylish accent in boardrooms and other business settings.

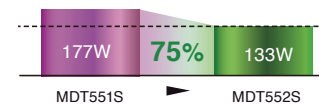
\*When there is no OPS box/cover, bracket stand or handles attached.



## Energy Star Compliant (for MDT552S)

The power consumption of the MDT552S is only 133W\*, dramatically lower (25% less) than our previous product (MDT551S: 177W\*). In addition, low standby power consumption realises compliance with Energy Star standards, ensuring support for energy savings over long periods of use.

\* In the case of 450cd/m<sup>2</sup> (typ.) brightness.



## Compatible with Crestron RoomView™ & AMX Device Discovery

The MDT552S and MDT701S are compatible with both Crestron RoomView™ and AMX Device Discovery, widely used network management software. Control commands can be sent from a computer through the LAN network to enable setting changes and remote diagnosis of multiple displays for efficient centralised management.



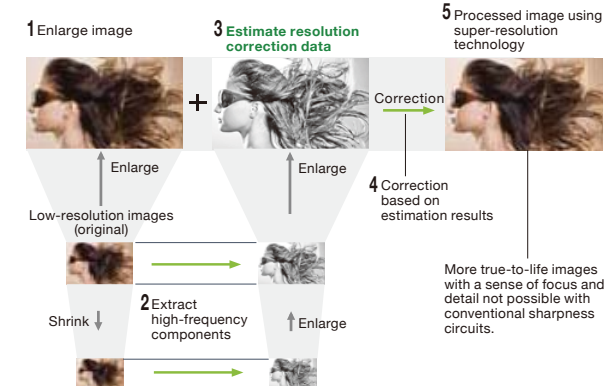
## High-definition Image Processing using Super-resolution Technology

Based on the original image processing algorithm, the super-resolution technology estimates the data on the blurred components of low-resolution images, and makes modifications accordingly. In addition, it automatically detects flicker-prone parts and optimises the adjustment range, thus naturally making images clearer.



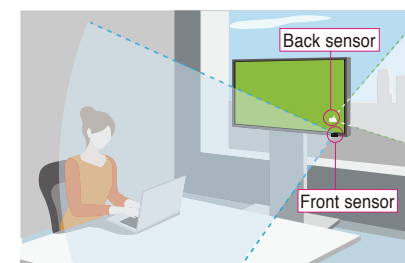
Designed by Mitsubishi Electric

### How Super-resolution Technology Works



## Auto Brightness Control Front/Rear sensors – a unique innovation from Mitsubishi Electric

Two ambient light sensors are embedded in the display (i.e., one each in front and back) for detecting brightness at the front of the display as well as light from outside or reflected light at the rear of the unit. This allows the brightness level to be automatically and optimally controlled while also realising low power consumption.



## Intel® OPS Option Slot Equipped

Mitsubishi Electric offers compatibility with the Open Pluggable Specification (OPS) card, allowing insertion of a personal computer card\*, which eliminates the time and effort required to connect a signal cable, and opens up a wider scope of applications.

\* ARK-DS220F-MTSA1E of Advantech Co., Ltd. For details please contact a local Advantech dealership.



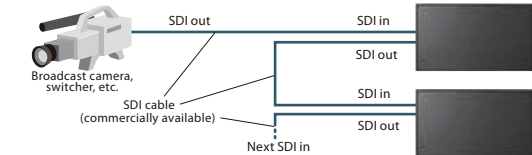
## SDI Card-compatible

An optional SDI card used together with an SDI cable (SDI-compatible BNC cable) allows long-distance transmission of digital video and audio signals as well as daisy-chain connections.

### Allowable cable length

Connection	Max. cable length		
	SD-SDI	HD-SDI	3G-SDI
One monitor	300m	200m	100m
Multiple monitors (total cable length)	350m	250m	150m

\* Possible transmission distance varies depending on installation conditions and the cable used.



## Colour Matching for Multi-screen Applications (available as service option only)

Qualified service personnel may utilise original colour calibration software and a designated colour sensor to adjust the whitepoint, brightness and gamma curve settings to match adjacent panels.



## In-floor/Face-up\* Use Realised (for MDT552S)

Display orientation is a key factor for the presentation and appearance of monitors. Advanced design technologies allow maximum flexibility in the positioning of the MDT552S, from landscape, portrait and angled positions to fully flat (face-up\*) installations.

\* Internal cooling fan must operate full-time when a panel is used in a face-up installation. Face-down/upside-down installation is not supported.

## Enhanced Connectivity with Digital Terminals

A full range of digital input terminals, including two HDMI, a DVI-D and a DisplayPort are equipped. In addition, used with a DVI-D output terminal, daisy chain connection to multiple monitors can be realised on a digital basis.



\* Please be aware of the conditions as follows when using the digital daisy chain connection.

1. Set POWER SAVE in the CONFIGURATION1 menu to OFF.
2. You may connect up to four monitors; however, the maximum number of connectable monitors may be limited depending on the signal source.

\* When the monitor is connected via DisplayPort, depending on the compatibility with the computer, images may not be displayed at the time of reverting from power save mode. In this case, set RGB of POWER SAVE to OFF. After completing the setup, restart the computer.

## Other Features

- USB Hub Function (2 upstream / 2 downstream ports)
- Built-in Speakers (10W + 10W)
- Auto Signal Detect
- Multi-level Screensaver Function
- Programmable Scheduling Function
- Tiling Capability (5x5) with Frame Compensation
- PiP, PoP, and Side-by-side
- Wide-range Colour
- Temperature Adjustment
- Power-on Delay
- Auto Adjust & Auto Set-up
- LAN Control
- RS-232C Control
- IR Remote Lock

# MDT421S / MDT551S / MDT652S

MDT Series LCDs

Highly Functional/Durable LCDs Providing Enhanced Benefits for Commercial Applications



## High-brightness Full-HD Panels Pursuing Superior Durability

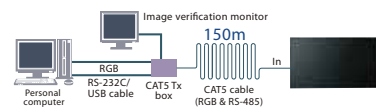
The MDT421S, MDT551S and MDT652S feature full 1920 x 1080 high-definition resolution and high brightness of 700cd/m<sup>2</sup> for stunning image quality and remarkable clarity. Even in heavy-use applications such as airports where the displays are constantly working, high durability is provided through the use of parts with a long service life.



## Versatile Connections through CAT5 Compatibility

The MDT652S has a built-in CAT5 receiver and a CAT5 transmitter box as standard equipment (optional for MDT421S and MDT551S), enabling long cable connections.

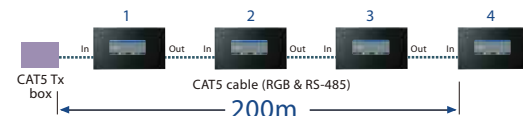
- Support for cable lengths of up to 150 metres
- Video and serial-control signals via a single CAT5 cable
- CAT5 image quality correction tools incorporated
  - Cable Length Selector
  - Equaliser Function
  - R/G/B Gain Adjustment
  - R/G/B Skew Compensation



\*Compatibility with commercially available controllers is not guaranteed. To create an environment for transmitting RS-485 signals, please follow the instructions in the user's manual.

## Link Multiple Displays in Series using CAT5 Connections

Use the daisy-chain connection function of the CAT5 receiver and output terminal to link multiple displays in series via CAT5 cables.



Allowable cable length

Connection	Max. cable length	Signal timing
One monitor	150m	1920x1080/60Hz
Multiple monitors	200m*	1920x1080/60Hz

\* Total length of connected cables.  
 \* Up to four displays can be linked in series.  
 \* Degraded image quality and variance in possible connection distance may occur depending on factors such as installation conditions and the cable used.

## Tiling Capability with Frame Compensation

Combine up to 25 panels (5 wide x 5 high) to create a single large image (i.e. video wall) or other high-impact signage. A frame compensation function is incorporated to adjust for the width of panel bezels so that images are displayed with the utmost accuracy.



## Other Features

- Auto Brightness Control
- Multi-level Screensaver Function
- Programmable Scheduling Function
- PIP, PoP, and Side-by-side
- Wide-range Colour Temperature Adjustment
- Power-on Delay
- Auto Adjust & Auto Set-up
- LAN Control (for MDT551S & MDT652S)
- RS-232C Control
- IR Remote Lock
- OPS Option Slot Equipped (for MDT551S)
- SDI Card Compatible (for MDT551S)
- USB Hub Function, 2 upstream / 4 downstream ports (for MDT551S)
- Built-in Speakers, 10W+10W (for MDT551S)
- Energy Star Compliant (for MDT421S & MDT551S)

# LDT323V/LDT422V/LDT462V/LDT551V

Economical LDT Series LCDs

High-definition Displays for Diversified Digital Signage Applications



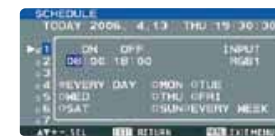
## Multi-level Screensaver Function

To reduce image persistence and maximise panel service life in demanding signage applications, all models are equipped with a four-level screensaver function.



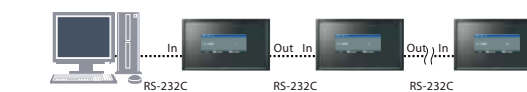
## Programmable Scheduling Function

Up to seven different scheduled intervals can be programmed according to time, day of week and input port. Additionally, content from different sources can be scheduled for specific displays within the same installation. Increased panel service life and energy savings are also possible through a well-planned schedule in which displays are turned off when not required.



## Remote Management & Diagnostic

An independent interface can be created on a personal computer for remote control and adjustment of monitors via bi-lateral RS-232C communications. The LDT422V, LDT462V and LDT551V can be daisy-chained to save on cabling costs. Daisy-chained monitors can be simultaneously controlled or adjusted. In addition, remote checking of critical indicators and remote asset management are possible.



## LAN-based Control

The LDT462V and LDT551V can be controlled remotely via an Ethernet LAN.



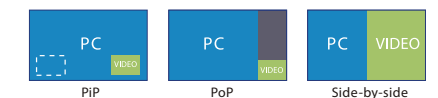
## Wide-range Colour Temperature Adjustment

Colour temperature can be adjusted across a wide range, from 2,600-10,000K. This is an important function for signage displays used in broadcasting, retail, food and other industries where image reproduction in true colours and tones is vital.



## PIP, PoP and Side-by-side

Picture-in-Picture and Picture-out-of-Picture modes are provided, enabling content from a video input source to be displayed in window format while displaying the main image from the computer source or vice versa. All models are equipped with a side-by-side mode, an ideal feature for broadcasting and video-conferencing applications.



## Power-on Delay

For installations employing numerous monitors, the power-on delay function allows each monitor to be set to power-up between 2-50 seconds after power is supplied. This allows the monitors to power-up sequentially, avoiding inrush current problems and reducing overall electrical load requirements when using the same power supply.

## Other Features

- OPS Option Slot Equipped (for LDT462V)
- SDI Card Compatible (for LDT462V)
- Auto Signal Detect (for LDT462V)
- CAT5 Card Compatible (for LDT551V)
- Display Port Terminal Equipped (for LDT551V)
- USB Hub Function, 1 upstream / 4 downstream ports (for LDT551V)
- Built-in Speakers, 10W+10W (for LDT462V & LDT551V)
- Energy Star Compliant (for LDT462V & LDT551V)
- Tiling Capability (5x5) with Frame Compensation
- Auto Adjust & Auto Set-up
- IR Remote Lock



# Full Line-up

		Advanced MDT Series LCDs	
		Full HD	
		55	70
Resolution		Full HD	
Size		55	70
Model		MDT552S (A2129)	MDT701S (A3112)
Dimensions			
Specifications		Landscape/Portrait/Face-up	
Orientation		Landscape/Portrait/Face-up	Landscape/Portrait
Screen size (diagonal)		54.6" (1388mm)	69.5" (1765mm)
Panel type		VA	
Resolution		1920 x 1080 (Full HD)	
Colour		Approx. 1.06 billion	Approx. 1.07 billion
Brightness		Max.: 450cd/m <sup>2</sup> Factory default settings: 349cd/m <sup>2</sup>	Max.: 500cd/m <sup>2</sup> Factory default settings: 365cd/m <sup>2</sup>
Contrast ratio		4000:1	5000:1
Viewing angle (CR≥10)		Up/Down 178°, Left/Right 178°	Up/Down 176°, Left/Right 176°
Viewing area		1209.6 x 680.4mm (47.6 x 26.8")	1539 x 866mm (60.6 x 34.1")
Power management		VESA DPM	
Plug-n-play		VESA DDC2B, DDC/CI	
Auto adjustment		Position, Phase, Clock	
OSD user functions		Brightness, contrast, black level, auto brightness, zoom, PIP, screensaver, side border colour, Gamma selection, heat status, power-on delay, schedule, tiling, LAN control, closed caption, super resolution, etc.	
PC	Input	Mini D-sub 15-pin (PC/AV common)	
	Output	HDMI x 2 (PC/AV common), DVI-D (with HDCP*), PC/AV common, DisplayPort	
	CAT5 input	—	
	CAT5 output	—	
Input/Output signal	Horizontal frequency	15.625/15.734, 31.5-91.1kHz (Analog), 31.5-91.1kHz (Digital)	
	Vertical frequency	50.0, 58.0-85.0Hz	
	Sync signal	Separate (TTL), composite (TTL), Sync-on-Green (Digital)	
	Resolutions supported	640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1360 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1080, 1920 x 1200 (1600 x 1200, 1920 x 1200 simplified compression)	
AV	Input	Composite <BNC>, S-terminal, Mini D-sub 15-pin (PC/AV common)	
	Output	HDMI x 2 (PC/AV common), SDI (option)	
	Resolutions supported	Composite signal/S-terminal: NTSC, PAL, SECAM, 4.43 NTSC, PAL60, Component signal: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p SDI: 480i/576i (SD-SDI), 720p/1080i (HD-SDI), 1080p (3G-SDI)	
	Audio	Input	Stereo mini jack
Option slot	Slot interface	Digital (OPS*) slot	
	External speaker output	External speaker jacks (8ohm)	
	Control	Input	RS-232C <D-sub 9-pin>, LAN <modular 8-pin>
	Output	RS-232C <D-sub 9-pin>	
Built-in speakers		10W + 10W (stereo)	
USB hub		2 upstream/2 downstream, USB2.0 compliant	
Power supply	Voltage, Current	100-240VAC, 50/60Hz	
	Power consumption	Max.: 186W (133W w/o options*), Factory default settings: 99W	Max.: 278W (218W w/o options*), Factory default settings: 175W
	Power consumption in economy mode	Sleep mode: Less than 1.0W Main power switch off: 0W	
Operating environment	Temperature	Landscape mode: 0-40°C (32-104°F), Portrait mode/Face-up mode: 0-35°C (32-95°F)	Landscape mode: 0-40°C (32-104°F), Portrait mode: 0-35°C (32-95°F)
	Humidity	20-80% (without condensation)	
Dimensions (W x H x D)	Net (without stand)	1248 x 719 x 47/68mm (49.1 x 28.3 x 1.9/2.7")	1585 x 915 x 68/88mm (62.4 x 36.0 x 2.7/3.5")
Weight	Net (without stand)	Approx. 28.5kg/62.8lbs	Approx. 45.8kg/101.0lbs
Wall mounting interface		9 holes, M6 screws (200mm (7.9") pitch) for monitor, 4 holes, M4 screws (100mm (3.9") pitch) for SBC, Signage player mounted on monitor	
Regulation/Guideline compliance		UL60950-1/C-UL/CE Marking/BSMI/GOST-R/FCC-A/DOC-A/C-Tick/RoHS/US Mercury/Energy Star/CCC only for Chinese model	UL60950-1/C-UL/CE Marking/BSMI/GOST-R/FCC-A/DOC-A/C-Tick/RoHS/US Mercury/CCC only for Chinese model
Functions & Features		2600-10000K (100K step)	2600-10000K (100K step)
Colour temperature		2600-10000K (100K step)	2600-10000K (100K step)
Digital zoom		✓ (custom zoom)	✓ (custom zoom)
Tiling and frame compensation		Max. 5 x 5	Max. 5 x 5
PIP/Pop		PIP, PoP, Side-by-side	PIP, PoP, Side-by-side
Scheduling		✓	✓
Screensaver (Motion)		✓	✓
Side border colour		✓	✓
Power-on delay		✓	✓
Monitor control (RS-232C)		✓ (In/Out)	✓ (In/Out)
Monitor control (LAN)		✓	✓
OPS		✓	✓
CAT5 receiver		—	—
3G-SDI		Option	Option
Auto Brightness		✓	✓
Super resolution		✓	✓

\*Values shown in the Specifications chart are typical values; actual values may vary depending on individual unit differences. \*Please be aware of the conditions as follows when using the digital daisy chain connection. 1. Set POWER to OFF in the CONFIGURATION1 menu to OFF. 2. You may connect up to four monitors; however, the maximum number of connectable monitors may be limited depending on the signal source. \*Specifications are subject to change without notice. \*1 HDCP compatibility is not supported when DVI-D is connected to a Macintosh computer. HDCP: High-bandwidth Digital Content Protection. \*2 The OPS slot complies with the OPS

		MDT Series LCDs		
		Full HD		
		42	55	65
Resolution		Full HD		
Size		42	55	65
Model		MDT421S (DR854)	MDT551S (ID2043)	MDT652S (BV013)
Dimensions				
Specifications		Landscape/Portrait/Face-up		
Orientation		Landscape/Portrait	Landscape/Portrait/Face-up	Landscape/Portrait
Screen size (diagonal)		42" (1067mm)	54.6" (1388mm)	64.5" (1639mm)
Panel type		IPS		
Resolution		1920 x 1080 (Full HD)		
Colour		Approx. 1.06 billion		
Brightness		Max.: 700cd/m <sup>2</sup>	Max.: 700cd/m <sup>2</sup> Factory default settings: 480cd/m <sup>2</sup>	Max.: 700cd/m <sup>2</sup> Factory default settings: 650cd/m <sup>2</sup>
Contrast ratio		1100:1	1300:1	2500:1
Viewing angle (CR≥10)		Up/Down 178°, Left/Right 178°	Up/Down 178°, Left/Right 178°	Up/Down 178°, Left/Right 178°
Viewing area		930 x 523mm (36.6 x 20.6")	1209 x 680mm (47.6 x 26.8")	1428 x 804mm (56.2 x 31.6")
Power management		VESA DPM		
Plug-n-play		VESA DDC2B, DDC/CI		
Auto adjustment		Position, Phase, Clock		
OSD user functions		Brightness, contrast, black level, auto brightness, zoom, PIP, screensaver, side border colour, Gamma selection, heat status, power-on delay, schedule, tiling, CAT5 control (option), etc.	Brightness, contrast, black level, auto brightness, zoom, PIP, screensaver, side border colour, Gamma selection, heat status, power-on delay, schedule, tiling, CAT5 control (option), LAN control, closed caption, Programmable LUT, etc.	Brightness, contrast, black level, auto brightness, zoom, PIP, screensaver, side border colour, Gamma selection, heat status, power-on delay, schedule, tiling, CAT5 control, LAN control, closed caption, etc.
PC	Input	Mini D-sub 15-pin (PC/AV common)		
	Output	HDMI (PC/AV common), DVI-D (with HDCP*), PC/AV common, DisplayPort		
	CAT5 input	—		
	CAT5 output	—		
Input/Output signal	Horizontal frequency	15.625/15.734, 31.5-91.1kHz (Analog), 31.5-91.1kHz (Digital)		
	Vertical frequency	50.0, 58.0-85.0Hz		
	Sync signal	Separate (TTL), composite (0.3V or TTL), Sync-on-Green (Digital)		
	Resolutions supported	640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1360 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1080, 1920 x 1200 (1600 x 1200, 1920 x 1200 simplified compression)		
AV	Input	Composite <BNC>, S-terminal, BNC(Y/Pb/Pr)/PC/AV common		
	Output	HDMI (PC/AV common), DVI-D (with HDCP*), PC/AV common		
	Resolutions supported	Composite signal/S-terminal: NTSC, PAL, SECAM, 4.43 NTSC, PAL60, Component signal: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p		
	Audio	Input	RCA pin jacks x 2 (L/R), Stereo mini jack	
Option slot	Slot interface	Digital (OPS*) slot		
	External speaker output	External speaker jacks (8ohm)		
	Control	Input	RS-232C <D-sub 9-pin>, LAN <modular 8-pin>	
	Output	RS-232C <D-sub 9-pin>	RS-232C <D-sub 9-pin>, LAN <modular 8-pin>	
Built-in speakers		10W + 10W (stereo)		
USB hub		2 upstream (option slot/external connection)/4 downstream, USB2.0		
Power supply	Voltage, Current	100-240VAC, 50/60Hz		
	Power consumption	Max.: 232W (214W w/o speakers)	Max.: 316W (293W w/o speakers), Factory default settings: 202W	Max.: 458W (445W w/o speakers), Factory default settings: 361W
	Power consumption in economy mode	Sleep mode: Less than 3W (CAT5: 5W)	Sleep mode: Less than 1W (CAT5: 5W)	Sleep mode: Less than 3W (CAT5: 5W)
Operating environment	Temperature	Landscape mode: 5-40°C (41-104°F), Portrait mode: 5-35°C (41-95°F)	Landscape mode: 5-40°C (41-104°F), Portrait mode/Face-up mode: 5-35°C (41-95°F)	Landscape mode: 5-40°C (41-104°F), Portrait mode: 5-35°C (41-95°F)
	Humidity	20-80% (without condensation)		
Dimensions (W x H x D)	Net (without stand)	966 x 559 x 116mm (38.0 x 22.0 x 4.6")	1251 x 721 x 127mm (49.3 x 28.4 x 5.0")	1498 x 873 x 139mm (59.0 x 34.4 x 5.5")
Weight	Net (without stand)	Approx. 23.5kg/51.8lbs	Approx. 37.0kg/81.6lbs	Approx. 46.5kg/102.5lbs
Wall mounting interface		12 holes, M6 screws (100mm (3.9") pitch) for monitor	8 holes, M8 screws (200mm (7.9") pitch) for monitor, 4 holes x 2 sets, M4 screws (100mm (3.9") pitch) for SBC, Signage player mounted on monitor	12 holes, M6 screws (100mm (3.9") pitch) for monitor
Regulation/Guideline compliance		UL60950-1/C-UL/CE Marking/BSMI/GOST-R/FCC-B/DOC-B/C-Tick/RoHS/US Mercury/CCC only for Chinese model	UL60950-1/C-UL/CE Marking/BSMI/GOST-R/FCC-A/DOC-A/C-Tick/RoHS/US Mercury/Energy Star/CCC only for Chinese model	UL60950-1/C-UL/CE Marking/BSMI/GOST-R/FCC-B/DOC-B/C-Tick/RoHS/US Mercury/CCC only for Chinese model
Functions & Features		2600-10000K (100K step)	2600-10000K (100K step)	2600-10000K (100K step)
Colour temperature		2600-10000K (100K step)	2600-10000K (100K step)	2600-10000K (100K step)
Digital zoom		✓ (custom zoom)	✓ (custom zoom)	✓ (custom zoom)
Tiling and frame compensation		Max. 5 x 5	Max. 5 x 5	Max. 5 x 5
PIP/Pop		PIP, PoP, Side-by-side	PIP, PoP, Side-by-side	PIP, PoP, Side-by-side
Scheduling		✓	✓	✓
Screensaver (Motion)		✓	✓	✓
Side border colour		✓	✓	✓
Power-on delay		✓	✓	✓
Monitor control (RS-232C)		✓ (In/Out)	✓ (In/Out)	✓ (In/Out)
Monitor control (LAN)		✓	✓	✓
OPS		—	—	—
CAT5 receiver		Option	Option	Option
3G-SDI		—	—	—
Auto Brightness		✓	✓	✓
Super resolution		✓	✓	✓

SAVE in the CONFIGURATION1 menu to OFF. 2. You may connect up to four monitors; however, the maximum number of connectable monitors may be limited depending on the signal source. \*Standards recommended by Intel. \*3 When neither speakers, USB, nor OPS boxes are equipped, and COOLING FANS are set to OFF.

		LDT Series LCDs			
		WXGA	42	Full HD	55
Resolution		32	42	46	55
Size					
Model					
Dimensions					
Specifications					
Orientation					
Landscape/Portrait					
LCD module					
Viewing area					
Power management					
Plug-n-Play					
Auto adjustment					
OSD user functions					
Input/Output signal					
Built-in speakers					
USB hub					
Power supply					
Operating environment					
Dimensions (W x H x D)					
Weight					
Wall mounting interface					
Regulation/Guideline compliance					
Functions & Features					
Screen size (diagonal)		31.5" (800mm)	42" (1067mm)	46" (1168mm)	54.6" (1388mm)
Panel type		VA	IPS	VA	VA
Resolution		1366 x 768	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)
Colour		Approx. 16.7 million	Approx. 1.06 billion	Approx. 16.7 million	Approx. 1.06 billion
Brightness		Max.: 500cd/m <sup>2</sup>	Factory default settings: 320cd/m <sup>2</sup>	Max.: 400cd/m <sup>2</sup>	Factory default settings: 310cd/m <sup>2</sup>
Contrast ratio		2500:1	1300:1	4000:1	5000:1
Viewing angle (CR≥10)		698 x 392mm (27.5 x 15.4")	930 x 523mm (36.6 x 20.6")	1018 x 573mm (40.1 x 22.5")	1209 x 680mm (47.6 x 26.8")
Power management		VESA DPM			
Plug-n-Play		VESA DDC2B/DDC-CI			
Auto adjustment		Position, Phase, Clock			
OSD user functions		Brightness, contrast, black level, zoom, PIP, screensaver, side border colour, Gamma selection, heat status, power-on delay, schedule, tiling, etc.		Brightness, contrast, black level, zoom, PIP, screensaver, side border colour, Gamma selection, heat status, power-on delay, schedule, tiling, CATS control (option), LAN control, closed caption, Programmable LUT, etc.	
Input/Output signal	PC	Input (Analog)	Mini D-sub 15-pin, BNC (R, G, B, H, V; PC/AV common)		Mini D-sub 15-pin
		Output (Digital)	HDMI (PC/AV common), DVI-D (with HDCP*), PC/AV common		HDMI (PC/AV common), DVI-D (with HDCP*), PC/AV common, DisplayPort
	AV	Input (Analog)	Composite video <BNC>, S-terminal, component <BNC (Y/Pb/Pr, PC/AV common)>		Composite video <BNC, RCA>, S-terminal, BNC (Y/Pb/Pr, PC/AV common)
		Output (Digital)	HDMI (PC/AV common), DVI-D (with HDCP*), PC/AV common		HDMI (PC/AV common), DVI-D (with HDCP*), PC/AV common
	Audio	Input (Analog)	RCA pin jacks x 2 (L/R), stereo mini Jack		HDMI
		Output (Digital)	HDMI, SDI (option)		HDMI
	Option slot	Slot interface	External speaker jacks (8ohm)		OPS slot*2 supported
		External speaker output	RS-232C-D-sub 9-pin>		RS-232C <D-sub 9-pin>, LAN <modular 8-pin>
	Built-in speakers		—		10W + 10W (stereo)
	USB hub		—		1 upstream (external connection only)/ 4 downstream, USB2.0
Power supply	Voltage, Current	100-240VAC, 50/60Hz			
	Power consumption	Max.: 103W (85W w/o speakers)	Max.: 203W (182W w/o speakers) Factory default settings: 136W	Max.: 217W Factory default settings: 126W*3	Max.: 344W (322W w/o speakers) Factory default settings: 203W
Operating environment	Temperature	Main power switch off: 0W			
	Humidity	Landscape mode: 5-40°C (41-104°F) Portrait mode: 5-35°C (41-95°F) 20-80% (without condensation)			
Dimensions (W x H x D)	789 x 476 x 133mm (31.1 x 18.7 x 5.2")	1023 x 614 x 133mm (40.3 x 24.2 x 5.2")	1091 x 646 x 120mm (43.0 x 25.4 x 4.7")	1299 x 770 x 125mm (51.1 x 30.3 x 4.9")	
Weight	Approx. 14.5kg/32.0lbs	Approx. 20.5kg/45.2lbs	Approx. 24.9kg/54.9lbs	Approx. 39.9kg/88.0lbs	
Wall mounting interface	12 holes, M6 screws (100mm (3.9") pitch) for monitor mount		10 holes, M6 screws (100mm/3.9", 200mm/7.9" pitches) for monitor mount		
Regulation/Guideline compliance	UL60950-1/C-UL/CE Marking/BSMI/GOST-R/FCC-B/DOC-B/C-Tick/RoHS/US Mercury/CCC only for Chinese model		UL60950-1/C-UL/CE Marking/BSMI/GOST-R/FCC-A/DOC-A/C-Tick/Energy Star/RoHS/US Mercury/CCC only for Chinese model		
Colour temperature	2600-10000K (100K step)	2600-10000K (100K step)	2600-10000K (100K step)	2600-10000K (100K step)	
Digital zoom	✓ (custom zoom)	✓ (custom zoom)	✓ (custom zoom)	✓ (custom zoom)	
Tiling and frame compensation	Max. 5 x 5	Max. 5 x 5	Max. 5 x 5	Max. 5 x 5	
PIP/PoP	PIP, PoP	PIP, PoP, Side-by-side	PIP, PoP, Side-by-side	PIP, PoP, Side-by-side	
Scheduling	✓	✓	✓	✓	
Screensaver (Motion)	✓	✓	✓	✓	
Side border colour	✓	✓	✓	✓	
Power-on delay	✓	✓	✓	✓	
Monitor control (RS-232C)	✓ (In/Out)	✓ (In/Out)	✓ (In/Out)	✓ (In/Out)	
Monitor control (LAN)	—	—	—	—	
OPS	—	—	—	—	
CATS receiver	—	—	—	—	
3G-SDI	—	—	Option	Option	
Auto Brightness	—	—	—	—	
Super resolution	—	—	—	—	

## Connector Terminals

### MDT Connector Terminals

**MDT552S/MDT701S**

- 1 USB hub
- 2 DisplayPort in
- 3 HDMI 1, 2 in
- 4 DVI-D in
- 5 DVI-D out
- 6 D-sub/YpPr in
- 7 RS-232 connector (D-sub 9-pin)
- 8 LAN connector
- 9 Video I/O (S connector/BNC)
- 10 Audio analog in (ø3.5mm stereo mini jack)
- 11 Audio analog out (ø3.5mm stereo mini jack)
- 12 External speaker terminals
- 13 Option slot

**MDT421S**

- 1 Power in (3-pin with earth terminal)
- 2 External speaker terminals
- 3 Audio out (RCA)
- 4 Audio in 1, 2, 3
- 5 RGB 1 in (HDMI)
- 6 RGB 2 in (DVI-D)
- 7 RGB 3 in (mini D-sub 15-pin)
- 8 RGB out (mini D-sub 15-pin)
- 9 RGB 6 in (DisplayPort)
- 10 Slot for optional CATS receiver box
- 11 RS-232C (D-sub 9-pin)
- 12 Video I/O (BNC/S-terminal/RCA)
- 13 S-Video in (mini DIN 4-pin)
- 14 Video in (BNC/RCA)
- 15 Video out (BNC)
- 16 USB hub
- 17 LAN connector

**MDT551S**

- 1 Power in (3-pin with earth terminal)
- 2 External speaker terminals
- 3 LAN (modular connector 8-pin)
- 4 RS-232C (D-sub 9-pin)
- 5 Audio in 1, 2, 3
- 6 Audio out (RCA)
- 7 Video I/O (BNC/S-terminal)
- 8 S-Video in (mini DIN 4-pin)
- 9 Video in (BNC)
- 10 Video out (BNC)
- 11 RGB 6 in (DisplayPort)
- 12 RGB 1 in (HDMI)
- 13 RGB out (mini D-sub 15-pin)
- 14 RGB 2 in (DVI-D)
- 15 RGB 3 in (mini D-sub 15-pin)
- 16 RGB 4 in, DVD/HD in (BNC)
- 17 RGB 5, CATS I/O (modular connector 8-pin)

**MDT652S**

- 1 Power in (3-pin with earth terminal)
- 2 External speaker terminals
- 3 Audio in
- 4 Audio out (RCA)
- 5 Video I/O (BNC/S-terminal)
- 6 S-Video in (mini DIN 4-pin)
- 7 Video in (BNC)
- 8 Video out (BNC)
- 9 RS-232C (D-sub 9-pin)
- 10 RGB 1 in (HDMI)
- 11 RGB out (mini D-sub 15-pin)
- 12 RGB 2 in (DVI-D)
- 13 RGB 3 in (mini D-sub 15-pin)
- 14 RGB 4 in, DVD/HD in (BNC)
- 15 YpPr in (BNC)
- 16 Audio in 1, 2, 3
- 17 LAN connector
- 18 Video I/O (BNC), S-terminal in
- 19 Audio out (RCA)
- 20 External speaker terminals
- 21 Option slot

### LDT Connector Terminals

**LDT323V/LDT422V**

- 1 Power in (3-pin with earth terminal)
- 2 External speaker terminals
- 3 Audio in
- 4 Audio out (RCA)
- 5 Video I/O (BNC/S-terminal)
- 6 S-Video in (mini DIN 4-pin)
- 7 Video in (BNC)
- 8 Video out (BNC)
- 9 RS-232C (D-sub 9-pin)
- 10 RGB 1 in (HDMI)
- 11 RGB out (mini D-sub 15-pin)
- 12 RGB 2 in (DVI-D)
- 13 RGB 3 in (mini D-sub 15-pin)
- 14 RGB 4 in, DVD/HD in (BNC)

**LDT462V**

- 1 Power in (3-pin with earth terminal)
- 2 RS-232C (D-sub 9-pin)
- 3 LAN connector
- 4 RGB out (mini D-sub 15-pin)
- 5 DVI-D in
- 6 D-sub in (mini D-sub 15-pin)
- 7 HDMI in
- 8 YpPr in (BNC)
- 9 Audio in 1, 2, 3
- 10 LAN connector
- 11 Video I/O (BNC), S-terminal in
- 12 Audio out (RCA)
- 13 External speaker terminals
- 14 Option slot

**LDT551V**

- 1 Power in (3-pin, with earth terminal)
- 2 USB hub
- 3 RGB 6 in (DisplayPort)
- 4 RGB 1 in (HDMI)
- 5 RGB 2 in (DVI-D)
- 6 RGB 3 in (mini D-sub 15-pin)
- 7 RGB out (mini D-sub 15-pin)
- 8 RGB 4 in, DVD/HD in (BNC)
- 9 Video I/O (BNC/S, RCA connectors)
- 10 External speaker terminals
- 11 Audio out (RCA)
- 12 Audio in 1, 2, 3
- 13 RS-232C (D-sub 9-pin)
- 14 LAN connector
- 15 Option slot

\* Values shown in the Specifications chart are typical values; actual values may vary depending on individual unit differences. \*Specifications are subject to change without notice. \*1 HDCP compatibility is not supported when DVI-D is connected to a Macintosh computer. HDCP: High-bandwidth Digital Content Protection. \*2 The OPS slot complies with the OPS standards recommended by Intel®. \*3 When neither speakers nor OPS box is equipped.

\*HDCP compatibility is not supported when DVI-D is connected to a Macintosh computer. HDCP: High-bandwidth Digital Content Protection

# Options

## Stereo Speakers



## Height Adjusting Blocks



**DP-01SPB**  
70-inch Height Adjusting Blocks For Optional Speakers For SP-551S

\*Photos show units with speakers attached.

## Stands



## Other Options

**DP-1CA5** CAT5 Kit For MDT421S



**DP-2CA5-T/DP-2CA5-R**



**DP-1SDI-3G**

SDI Box For LDT462V/MDT551S/MDT552S/MDT701S



Model Name	Stereo Speakers				Stands				CAT5 Kit		SDI Box
	SP-321V	SP-422V	SP-421S	SP-551S	ST-322V	ST-422V	ST-461V	ST-521S	DP-1CA5	DP-2CA5-T/DP-2CA5-R	DP-1SDI-3G
LDT323V	✓	—	—	—	✓	—	—	—	—	—	—
LDT422V	—	✓	—	—	—	✓	—	—	—	—	—
LDT462V	—	—	—	—	—	—	—	—	—	—	✓
LDT551V	—	—	—	✓	—	—	✓	—	—	✓	—
MDT421S	—	—	✓	—	—	—	—	✓	✓	—	—
MDT551S	—	—	—	✓	—	—	✓	—	—	✓	—
MDT652S	—	—	—	✓	—	—	—	—	—*	—*	✓
MDT552S	—	—	—	✓	—	—	—	—	—	—	✓
MDT701S	—	—	—	✓	—	—	—	—	—	—	✓

\*The CAT5 Kit is standard equipment for MDT652S.




for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



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