

Stylish yet Durable LED-backlit Panels for Professional Use

Well suited to a variety of spaces and applications, providing durability, low power consumption and a slim, lightweight design. Ideal for digital signage applications, business presentations and video conferencing.



MDT 552S

Resolution
1920x1080
(Full HD)

Colours
1.06 billion

Brightness
450cd/m²

Contrast Ratio
4000:1

Viewing Angle
Up/Down 178°
Left/Right 178°

Options

Stand: **ST-461V**
Speakers: **SP-551S**
SDI Box: **DP-1SDI-3G**



LED-backlit, Full HD LCD Panels with High Durability

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

Slim & Lightweight Design

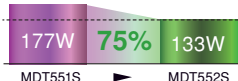
The MDT552S boasts impressive figures: a panel depth of only 47mm*, a 16.6mm narrow-bezel design and a weight of only 28.5kg. The aluminium-bezel design adds a stylish accent in boardrooms and other business settings.

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

Energy Saving

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

* In the case of 450cd/m² (typ.) brightness.



Compatible with Crestron RoomView™ & AMX Device Discovery

The MDT552S is compatible with Crestron Roomview™ and AMX Device Discovery network management software. Control from a computer via the LAN enables setting changes and

remote diagnosis of multiple displays for efficient centralised management.

High-definition Image Processing using Super-resolution Technology

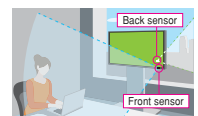
Based on the original image processing algorithm, the super-resolution technology estimates the data on the blurred components of low-resolution images and makes modifications accordingly. In addition, it automatically detects flicker-prone parts and optimises the adjustment range, thus naturally making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



Designed by
Mitsubishi Electric

Auto Brightness

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



Other Features

OPS Slot Open Pluggable Specification compatibility allows use of a personal computer card, 3G-SDI, etc., enabling a wider scope of applications.

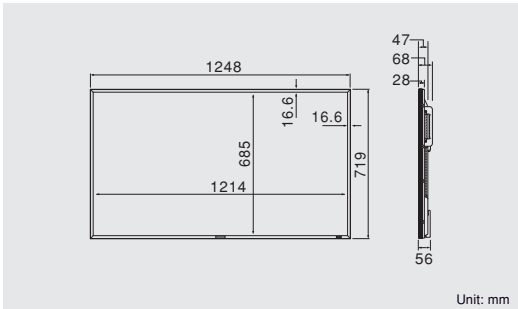


ARK-DS220F-MTSA1E of
Advantech Co., Ltd.

Face-up Installation The ability to install displays face-up further increases the range of applications.

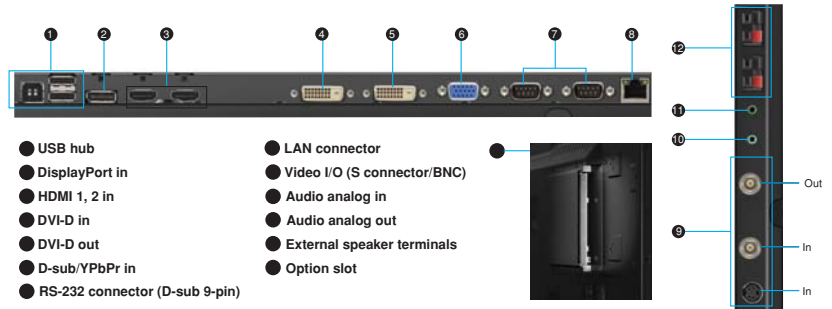
Built-in Speakers (10W + 10W) Two 10W built-in speakers are equipped.

Dimensions



Unit: mm

Connector Terminals



Specifications

Orientation		MDT552S (A2129) Landscape/Portrait/Face-up	
LCD module	Screen size (diagonal)	54.6" (1388mm)	
	Panel type	VA	
	Resolution	1920 × 1080 (Full HD)	
	Colour	Approx. 1.06 billion	
	Brightness	Max.: 450cd/m ² , Factory default settings: 349cd/m ²	
Viewing area	Contrast ratio	4000:1	
	Viewing angle (CR≥10)	Up/Down 178°, Left/Right 178°	
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	(Analog)	Mini D-sub 15-pin (PC/AV common)
	Output	(Digital)	HDMI x 2 (PC/AV common), DVI-D (with HDCP ^{*1}), PC/AV common, DisplayPort
	Horizontal frequency	(Digital)	DVI-D (with HDCP ^{*1})
	Vertical frequency	(Digital)	15.625/15.734, 31.5-91.1kHz (Analog), 31.5-91.1kHz (Digital)
	Sync signal	(Analog)	50.0, 58.0-85.0Hz
Input/Output signal	Input	(Analog)	Separate (TTL), composite (TTL), Sync-on-Green
	Output	(Digital)	TMDS
	Resolutions supported	640 × 480, 800 × 600, 1024 × 768, 1280 × 768, 1360 × 768, 1280 × 1024, 1600 × 1200, 1920 × 1080, 1920 × 1200 (1600 × 1200, 1920 × 1200 simplified compression)	
	Input	(Analog)	Composite <BNC>, S-terminal, Mini D-sub 15-pin (PC/AV common)
	Output	(Digital)	HDMI x 2 (PC/AV common), SDI (option)
Audio	Input	(Analog)	Composite <BNC>
	Output	(Digital)	SDI (option)
	Resolutions supported	Composite signal/S-terminal: NTSC, PAL, SECAM, 4.43 NTSC, PAL60, Component signal: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
	Input	(Analog)	SDI: 480i/576i (SD-SDI), 720p/1080i (HD-SDI), 1080p (3G-SDI)
	Output	(Digital)	Stereo mini jack
Option slot	Slot interface	(Analog)	HDMI x 2, DisplayPort, SDI (option)
	External speaker output	(Digital)	Stereo mini jack
	Control	(Digital)	SDI (option)
Built-in speakers	Input	Digital (OPS ^{*2}) slot	
	Output	External speaker jacks (8ohm)	
USB hub	Input	RS-232C <D-sub 9-pin>, LAN <modular 8-pin>	
	Output	RS-232C <D-sub 9-pin>	
Power supply	Voltage, Current	10W + 10W (stereo)	
	Power consumption	2 upstream/2 downstream, USB2.0 compliant	
Operating environment	Temperature	100-240VAC, 50/60Hz	
	Humidity	Max.: 186W (133W w/o options ^{*3}), Factory default settings: 99W	
Dimensions (W × H × D)	Net (without stand)	Sleep mode: Less than 1.0W	
	Weight	Main power switch off: 0W	
Wall mounting interface	Net (without stand)	Landscape mode: 0-40°C (32-104°F), Portrait mode/Face-up mode: 0-35°C (32-95°F)	
	Weight	20-80% (without condensation)	
Regulation/Guideline compliance	Net (without stand)	1248 × 719 × 47/68mm	
	Weight	Approx. 28.5kg	
Wall mounting interface		9 holes, M6 screws (200mm (7.9") pitch) for monitor, 4 holes, M4 screws (100mm (4.0") 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	

*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.
 *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.
 *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, USB, nor OPS boxes are equipped, and COOLING FANS are set to OFF.

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