MITSUBISHI ELECTRIC
Changes for the Better

for a greener tomorrow

eco Changes

LCD PUBLIC DISPLAY

Stylish yet Durable Large-screen LED-backlit Panels

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

70

MDT 701S

Resolution
1920x1080 (Full HD)

Colours
1.07 billion

Brightness
500cd/m²

Contrast Ratio
5000:1

Viewing Angle
Up/Down 176° Left/Right 176°

Options
Speakers: **SP-551S**
SDI Box: **DP-1SDI-3G**

LED | Frame rate 120Hz | Full HD 1080p | HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE | Windows 8 Compatible

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● LED-backlit, Full HD, 120Hz 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 MDT701S is a large-screen model yet boasts impressive figures including a panel depth of only 68mm* and a 21.5mm narrow-bezel design. The aluminium-bezel design adds a stylish accent in boardrooms and other business settings.

* When there are no handles attached.

● Compatible with Crestron RoomView™ & AMX Device Discovery

The MDT701S is compatible with both Crestron Roomview™ and AMX Device Discovery 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.

CRESTRON® connected

AMX DEVICE DISCOVERY

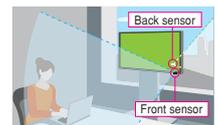## ● High-definition Image Processing using Super-resolution Technology

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 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 for more efficient power consumption.

Back sensor
Front sensor

● Other Features

OPS Slot Open Pluggable Specification compatibility allows use of a personal computer card, 3G-SDI, etc., enabling a wider scope of applications.
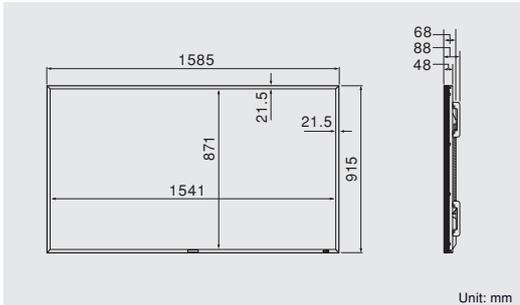
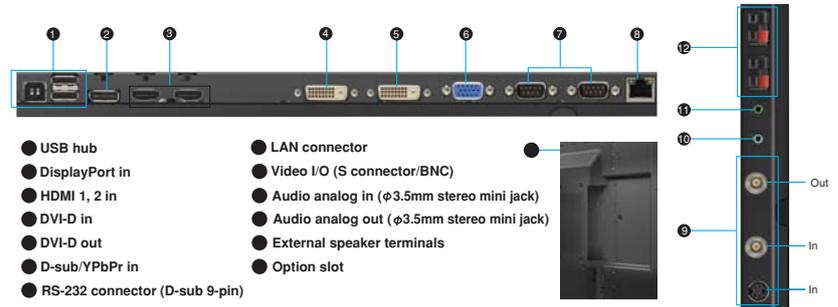ARK-DS220F-MTSA1E of Advantech Co., Ltd.

USB Hub A USB hub with two upstream and two downstream ports is equipped.

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

Dimensions

1585
1541
871
915
21.5
21.5
68
88
48

Unit: mm

Connector Terminals

① USB hub
② DisplayPort in
③ HDMI 1, 2 in
④ DVI-D in
⑤ DVI-D out
⑥ D-sub/YPbPr in
⑦ RS-232 connector (D-sub 9-pin)
⑧ LAN connector
⑨ Video I/O (S connector/BNC)
⑩ Audio analog in (φ3.5mm stereo mini jack)
⑪ Audio analog out (φ3.5mm stereo mini jack)
⑫ External speaker terminals
● Option slot

Out
In
In

Specifications

			MDT701S (A3112)
Orientation			Landscape/Portrait
LCD module	Screen size (diagonal)		69.5" (1765mm)
	Panel type		VA
	Resolution		1920 × 1080 (Full HD)
	Colour		Approx. 1.07 billion
	Brightness		Max.: 500cd/m², Factory default settings: 365cd/m²
	Contrast ratio		5000:1
	Viewing angle (CR≥10)		Up/Down 176°, Left/Right 176°
Viewing area			1539 × 866mm (60.6 × 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.
Input/Output signal	PC	Input (Analog)	Mini D-sub 15-pin (PC/AV common)
		Input (Digital)	HDMI x 2 (PC/AV common), DVI-D (with HDCP*¹, PC/AV common), DisplayPort
		Output (Digital)	DVI-D (with HDCP*¹, PC/AV common)
		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 (Analog)	Separate (TTL), composite (TTL), Sync-on-Green
		Sync signal (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)
	AV	Input (Analog)	Composite <BNC>, S-terminal, Mini D-sub 15-pin (PC/AV common)
		Input (Digital)	HDMI × 2 (PC/AV common), SDI (option)
		Output (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 SDI: 480i/576i (SD-SDI), 720p/1080i (HD-SDI), 1080p (3G-SDI)
	Audio	Input (Analog)	Stereo mini jack
		Input (Digital)	HDMI × 2, DisplayPort, SDI (option)
		Output (Analog)	Stereo mini jack
		Output (Digital)	SDI (option)
	Option slot	Slot interface	Digital (OPS*²) 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.: 278W (218W w/o options*³), 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: 0-35°C (32-95°F)
	Humidity		20-80% (without condensation)
Dimensions (W×H×D)	Net (without stand)		1585 × 915 × 68/88mm (62.4 × 36.0 x 2.7/3.5")
Weight	Net (without stand)		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/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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