

Stylish slim aluminum bezel design complements any public space



Latest LCD panel technologies achieve improved performance and extended use in public display and industrial applications

Full 1920 x 1080 High-definition Resolution



MDT series panels reproduce images from video and computer signals with precision and clarity, all delivered in full 1920 x 1080 high-definition resolution. A high-durability panel reduces the risk of image persistence in commercial applications.

700cd/m² High Brightness / 2000:1* High Contrast

Brightness and contrast functions designed to deliver truly impressive sharp, vivid images and information even in well-lit public spaces.
*MDT521S

Video and Serial Control over CAT5

Enables long video cable connections and serial control over a single CAT5 cable

Supports Long Cable Lengths— Up to 150 metres

Long VGA cables can lead to a loss in image quality and higher installation costs. The MDT521S comes standard with a CAT5 transmitter and built-in CAT5 receiver that enable the connection of much longer cables without degrading the high picture quality. The MDT421S is equipped with a CAT5 receiver slot for the optional CAT5 receiver and transmitter kit.



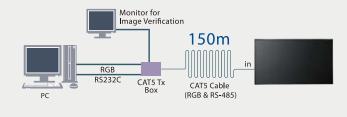


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*MDT421S: Slot for Optional CAT5 receiver

Video and Serial-control Signals over a Single CAT5 Cable

Utilizing the CAT5 transmitter box, video and RS-485 serial-control signals can be delivered over the same CAT5 cable, eliminating the need for a separate serial-control cable.



Link Up to 5 Displays in Series using CAT5 Connections

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



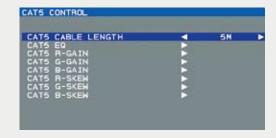
Allowable cable length

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

^{*} Total length of the connected cables.

CAT5 Image Quality Correction Tools

Various features have been incorporated to prevent the degradation of image quality over long cable lengths.



1) Cable Length Selector

Changes to optimised default settings for cable lengths.

2) Equalizer Function

Optimises signal shape to minimize image blur on the screen.

3) R/G/B Gain Adjustment Brightens dark images.

4) R/G/B Skew Compensation

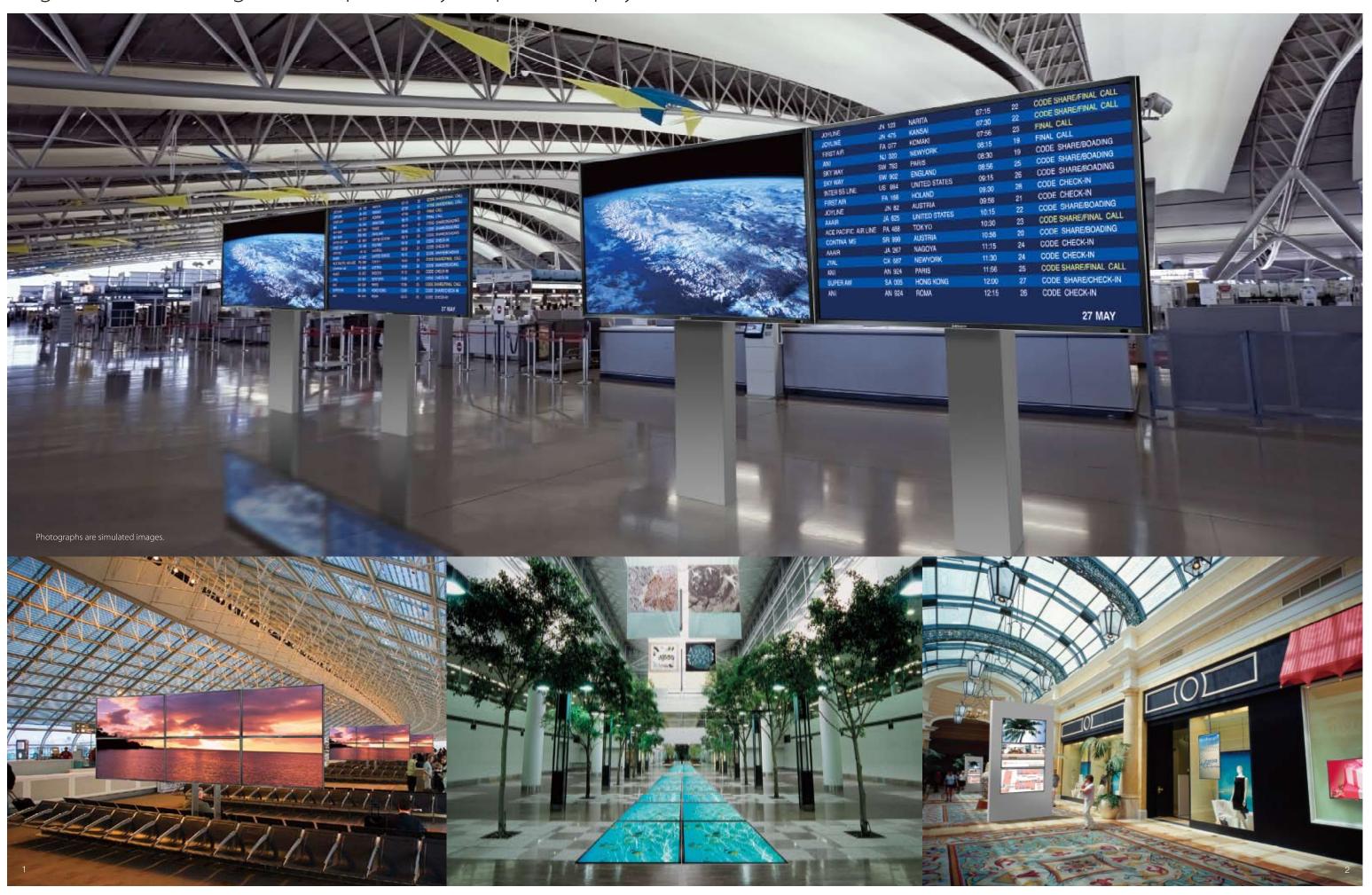
Corrects colour deviation.

* CATS connectors can only be connected to the CATS transmitter box included with the MDT521S or available as an option with MDT421S. Do not attempt to connect any other network hardware. This may result in damage to the hardware connected, transmitter box and displays.

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The connectable cable length depends on signal source and quality

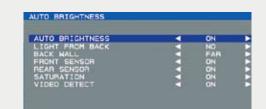
Highly Aesthetic Innovative Design · Durable Full High-definition Panel · Superior Functionality Large-format LCD engineered specifically for public display use



Latest image reproduction and information-processing technologies in a conveniently thin eye-catching package

Automatic Brightness Control with Front/Rear Ambient Light Sensors – Unique innovation from Mitsubishi Electric

The MDT421S/521S are equipped with an Auto Brightness function that utilizes two ambient light sensors—one each in the front and rear—to gather data on lighting conditions for adjusting image brightness. Even when installed at venues where light conditions change continuously, optimum viewing is ensured together with the added benefit of greater energy savings through reduced power consumption in darker environments.

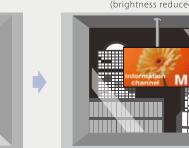


Dark environment

Well-lit environment (brightness increased)





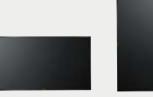


Structural Design Enables In-floor/Face-up* Installation - Applications expanded beyond landscape and portrait *Only for MDT521S.

Display orientation is a key factor for the presentation and appearance of digital signage. Advanced design technologies allow maximum flexibility in the positioning of the MDT521S, from landscape, portrait and angled to

full-flat (face-up*) installations.

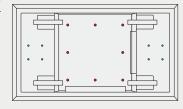
*Run internal cooling fan full-time when using monitor in face-up position. Face-down/upside-down installation



Standard VESA Mount Pattern and Left/Right Panel Holes for SBC

Standard VESA hole pattern (M8/400x400mm) for mounting to wall/ceiling. SBC/media player mounting holes (100x100mm) provided on both

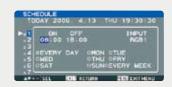
right and left sides for expanded installation possibilities and improved user convenience.



Programmable Scheduling Function

Up to seven different scheduled intervals by time, day of week and input port can be programmed. Content from different sources can be sched-

uled for specific displays within the same installation. This contributes to extending panel service life and increasing energy savings by turning off displays at times when not required.



Multi-level Screen Saver Function

To reduce image persistence and maximise panel service life in demanding signage applications, The MDT421S/521S are equipped with four levels of screen saver function. Each level can be set to meet specific application requirements.

- •Gamma mode: Optimises the gamma curve.
- Cooling fan mode: Fan operates continuously rather than automatically activate when internal temperature reaches the pre-designated limit.

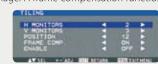
- Brightness mode: Reduces maximum display brightness.
- Motion mode: Slightly shifts images in four directions according to user-specified time intervals.

s according to intervals.

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.



Connect up to a maximum of 25 panels (5 x 5)





Frame Compensation off

Frame Compensation on

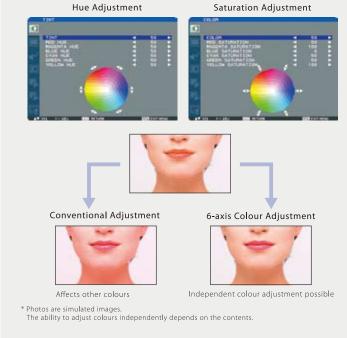
Wide-range Colour Temperature Adjustment

Adjust colour temperature across a wide range from 3,000~10,000K. 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.



6-axis Colour Adjustment Function

Using the remote controller it is possible to choose a specific colour from R, G, B, C, M or Y and adjust its hue and saturation independently. This is especially useful for adjusting the colours of specific parts in digital posters, or company or brand logos in signage applications.



Color Matching for Multi-screen Applications (available as a service option only)

Qualified service personnel utilize proprietary colour calibration software and a designated colour sensor to adjust the white-point and brightness levels to match adjacent panels.

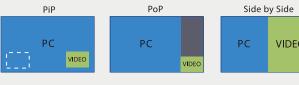




PiP, PoP and Side-by-side

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 input source or vice versa.

Side-by-side mode is incorporated as well, an ideal feature for broadcasting and video-conferencing applications.



Enhanced Connectivity with DisplayPort Terminal

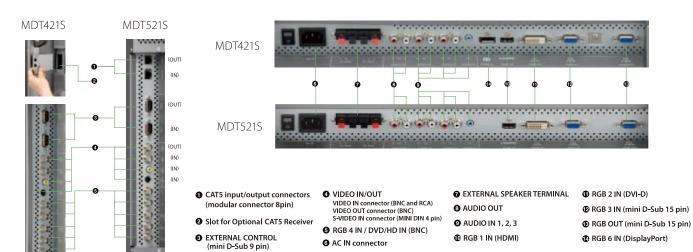


The MDT421S is also equipped with the DisplayPort terminal, a next-generation digital interface designed to enable maximum display performance and deliver video and other signals over a single cable up to 15 meters in length.

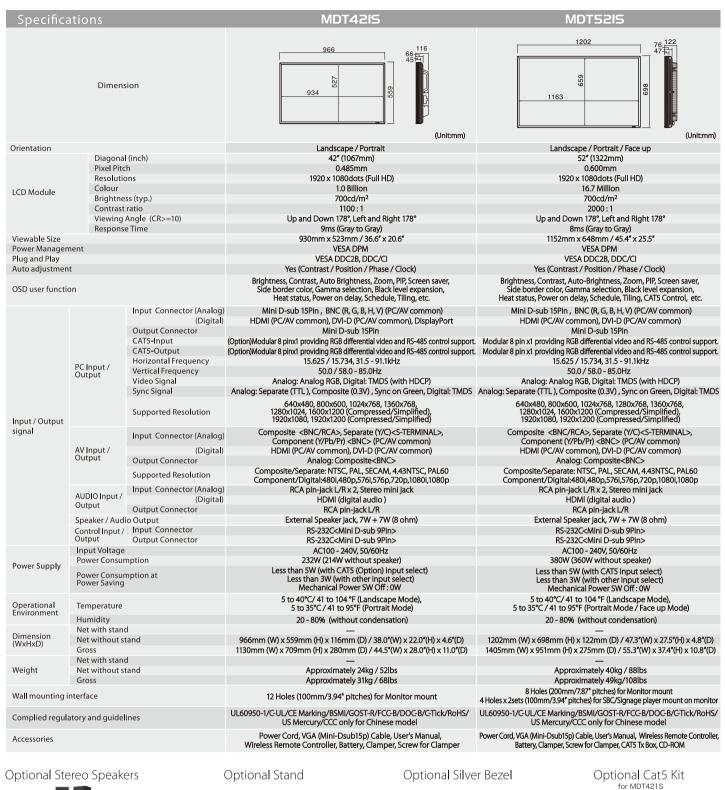


Multiple Standard Input and Output Connectors

In addition to the dedicated CAT5 connectors, the MDT421S/521S are equipped with a variety of industry-standard I/O connectors for computers, media players and other equipments. Compatibility for utilizing most common signal sources is ensured.



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ST-421S/ST-521S

OB-421S-AS/OB-521S-AS





DP-1CA5

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