



SHARP LCD Monitor User Manual

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Shrap offers an effective and convenient solution for digital singnage.Our PN-556/Y496/Y436/Y326 LCD monitors are designed for ease of use and flexibility in a variety of settings. Simple and stylish, they have the functionality to support easy content distribution. Whether in a retail, public, or office setting, these monitors can help convey your message and make an eye-catching impression. So if you're seeking a multifaceted signage solution with round-the-clock reliability and easy content distribution, these affordable slimline monitors offer outstanding value

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The Quality to Present Attractive Signage

Excellent Image Quality

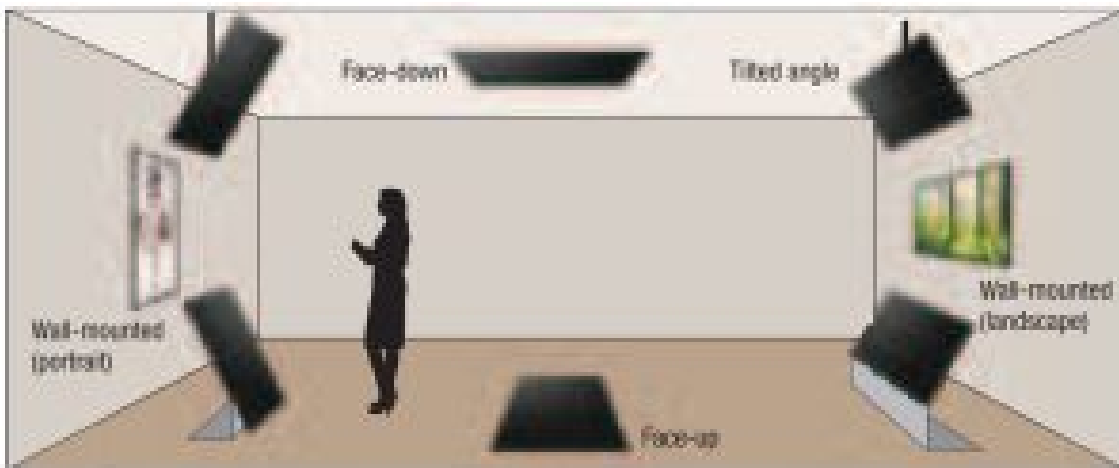
Full HD (1,920 x 1,080) resolution brings images to life with vivid, true-to-life details. Everything from thin lines to fine text to photographic images can be displayed in stunning clarity.

Simple and Stylish Design

A narrow 9.5-mm” bezel keeps the emphasis on onscreen content, so that information is conveyed clearly and attractively. The simple and stylish design matches a variety of locations and business settings, from small shops to large corporations and industrial environments. • PN-Y556N496N436: 9.5 mm (right/left/top), 15.6 mm (bottom); PN-Y326: 10.6 mm (right/left/top), 15.6 mm (bottom)

Adaptable to Various Setting

Whether in a landscape or portrait orientation, these monitors can be installed face up, face down, or tilted forward or backward at an angle of up to 90 degrees. Such flexibility helps you to incorporate the monitors into a wider-than-ever variety of setting.



Note: Please consult with your local authorised Shag) dealer or representative regarding tiltable angles and other installation conditions.

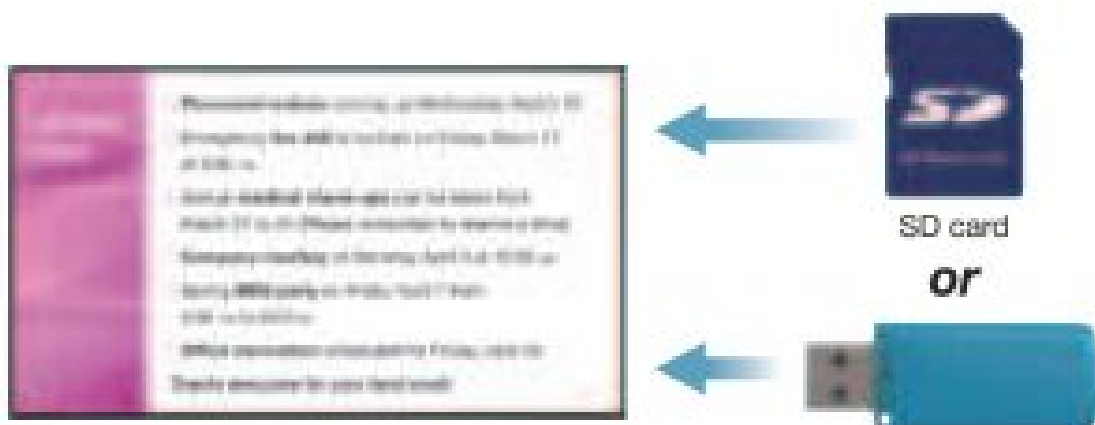
Easy and Versatile Signage Support



PN-Y556/Y496/Y436/Y326 LCD monitors support easy daily usage and versatile content distribution. Simply insert a USB memory device or SD card for plug-and-play operation. Using a specified wireless SD card equipped with an original Sharp HTML application, you can distribute content wirelessly from a PC or mobile device. Furthermore, SHARP Content Distributor software supports convenient content distribution and management via network. Thanks to their versatile signage capabilities, these monitors make it easy to convey messages in public spaces or commercial locations, or promote internal communication in the office.

Autoplay via Media Player

Displaying still images or videos couldn't be easier. Just insert a USB memory device or SD card into the LCD monitor and the built-in media player starts playing your content right away. There's no need for a PC and cables. It's easy for anyone to operate.



Note: A USB memory device and an SD card should not be used simultaneously. Supported media formats: JPEG and PNG for still images; MP4, WMV, and TS for videos; and MP3 and WMA for audio. JPEG (.jpg) and WMV (.wmv) files can be played automatically.

Easy Overwrite via Wireless LA



With a specified wireless SD card*, you can wirelessly overwrite the content stored on the card. Using a wireless LAN makes it easy to distribute content from a PC, tablet or other mobile device, giving you a convenient data-transmission experience. There's no need to insert or remove the card at the back of the monitor when you want to overwrite the content. This not only saves you time, it also gives you more freedom to install the monitor where it's hard to reach—for example in a high place.

* Toshiba FlashAir™ equipped with the requisite Sharp HTML application. Not compatible with FlashAir W-02 or earlier versions. Please consult with your local authorised Sharp dealer or representative regarding availability of the application and SD card

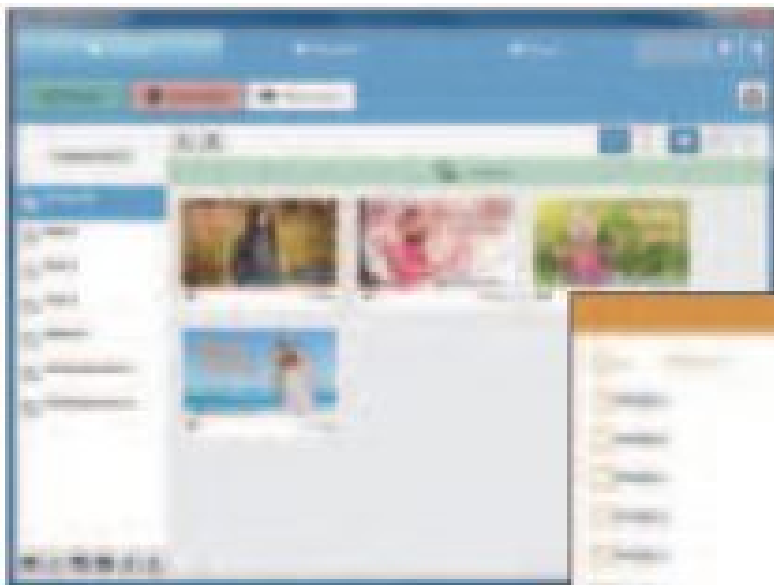
Timely Content Distribution via Network



Operating over a LAN, SHARP Content Distributor software makes it easy to update the content to be displayed on multiple LCD monitors. Through simple and intuitive PC operation, you can schedule what content gets distributed, when it gets delivered, and which monitors show it. Take advantage of a convenient signage solution that lets you distribute content in a timely manner to multiple PN-Y556/Y496/Y436/Y326 monitors.

Note: Either a USB memory device or an SD card is required for each monitor.

Content List



Intuitive drag-and-drop operation with thumbnail view



Easy editing of distribution schedules

Register up to 50 content lists, each comprising up to 30 files* of either pictures or videos. Creating and updating a customised content list is simple, thanks to intuitive operation.

* A content list can comprise a group of either still images (JPEG) or videos (WMV)

Scheduling

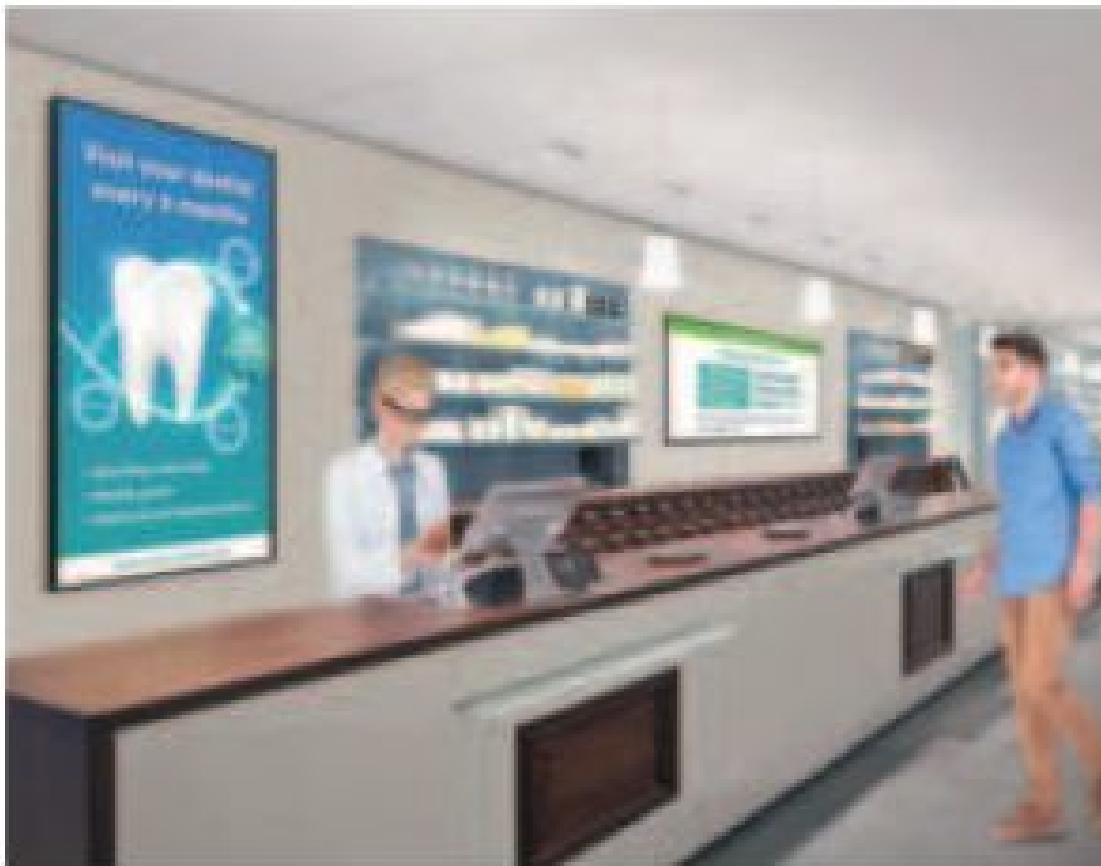
Set a time and day of the week for content distribution to a maximum of 20 pre-registered LCD monitors. Up to 7 schedule patterns can be registered

Log Management

Easily manage individual content distribution logs that include date/time, results, and names of content lists, as well as IP addresses, names, and locations of monitors. This information can be viewed and managed on a PC screen.

SHARP Digital Signage Software (option)

For more professional digital signage management, Sharp offers the option of SHARP Digital Signage Software. This software provides a wide range of signage support for content creation, scheduling, distribution, and display management. It can be used with a single standalone LCD monitor or with up to 1,000 monitors connected to a network. Sharp offers an array of solution packages to match a variety of signage needs.



Standalone Version	PN-SS01	Pro Version	PN-SS05
Network Version	PN-SS02	Pro Web Server Version	PN-SW05
		Viewer Version	PN-SV01

Other Key Features

- **24/7 Operation** for use in demanding professional applications that require round-the-clock operation seven days a week.
- **Power On Delay** lets you delay the startup of each monitor in a multi-monitor installation. This reduces the load placed on the power supply when multiple monitors are turned on at the same time.
- **Fanless Architecture** maintains airflow while dissipating heat, without the use of noisy, dust-creating mechanical air-ventilation fans. The fanless design also facilitates maintenance.
- **Built-In Speakers** eliminate the need for external speakers and ensure a stylishly streamlined profile
- **Anti-Theft Covers** for USB memory device and SD card slots provide enhanced security
- **Built-In Temperature Sensor** detects rising temperatures inside the monitor and automatically prompts an adjustment of the backlight brightness to keep the temperature within operational levels.
- **Mirror Display (Daisy Chain) Mode** enables the same image to be displayed on a series of daisy-chained LCD monitors, for the powerful impact of visual repetition.
Note: Via DVI-D connection.
- **ID Setting** for easy control of individual monitors. An RS-232C interface enables multiple monitors* to be managed from a central location via a PC. Each monitor can be assigned an individual ID code to use when remotely turning that monitor on or off, changing its input, or making various screen adjustments and settings.
* PN-Y556/Y496/Y436/Y326 monitors can be connected together in a daisy chain configuration.

Specifications

Model Name		PN-Y556	PN-Y496	PN-Y436	PN-Y326
Installation		Landscape / Portrait / Face-up / Face-down			
LCD Panel		55-inch widescreen (54 5/8-inch [138.78 cm] diagonal) TFT LCD	49-inch widescreen (48 1/2-inch [123.20 cm] diagonal) TFT LCD	43-inch widescreen (42 1/2-inch [107.98 cm] diagonal) TFT LCD	32-inch widescreen (31 9/16-inch [80.13 cm diagonal) TFT LCD
	Max. Resolution	1,920 x 1,080 pixels			
	Max. Display Colours (approx.)	16.77 million colours			
	Pixel Pitch (H x V)	0.630 x 0.630 mm	0.559 x 0.559 mm	0.490 x 0.490 mm	0.364 x 0.364 mm
	Max. Brightness*1	450 cd/m ²			400 cd/m ²
	Contrast Ratio	1,100 : 1			
	Viewing Angle (H/V)	178°/178° (CR 10)			
	Active Screen Area (W x H)	1,209.6 x 680.4 mm (47 5/8" x 26 13/16")	1,073.8 x 604.0 mm (42 1/4" x 23 3/4")	941.2 x 529.4 mm (37 1/16" x 20 13/16")	698.4 x 392.0 mm (27 1/2" x 15 7/16")

	Response Time	12 ms (grey to grey, avg.)	10 ms (grey to grey, avg.)
	Backlight	LED, edge lit	LED, full array
Computer Input	Video	Analogue RGB (0.7 Vp-p) [75Ω], Digital (conforms to DVI 1.0 standards), HDMI™	
	Synchronisation*	Horizontal/vertical separation (TTL: positive/negative)	
	Plug & Play	VESA DDC2B	
	Power Management	VESA DPMS, DVI DMPM	
Video Colour System		NTSC (3.58 MHz)	
Input Terminals* ²		DVI-D 24 pin x 1 (HDCP compatible), Mini D-sub 15-pin x 1* ³ , HDMI x 1 (1080p compatible), RS-232C x 1, 3.5 mm-diameter mini stereo jack x 2, USB x 1 (image, video, audio)* ⁴ , SD card x 1 (image, video, audio)* ⁴	
Output Terminals* ²		DVI-D 24 pin x 1 (HDCP compatible), RS-232C x 1, 3.5 mm-diameter mini stereo jack x 1	
Input/Output Terminals* ²		LAN: 10Base-T/100Base-TX x 1	
Built-In Speakers		7 W + 7 W	5 W + 5 W
Mounting		VESA (4 points), 400 mm (15 3/4") pitch, M6 screw	VESA (4 points), 200 mm (7 7/8") pitch, M6 screw

Power Supply		100V – 240V AC, 50/60 Hz			
Continuous Operation		24 hrs			
Power Consumption		105 W	87 W	76 W	69 W
Environmental Conditions	Operating Temperature	0°C to 40°C			
	Operating Humidity	20% to 80% RH (no condensation)			
Dimensions (W x D x H) (approx.) (display only)		1,233 x 46 x 710 mm (48 9/16" x 1 13/16" x 27 15/16")	1,097 x 46 x 634 mm (43 3/16" x 1 13/16" x 24 15/16")	965 x 46 x 559 mm (38" x 1 13/16" x 22")	724.5 x 56 x 424 mm (28 1/2" x 2 3/16" x 16 11/16")
Weight (approx.)		18 kg (39.7 lbs)	15 kg (33.1 lbs)	10.5 kg (23.1 lbs)	6 kg (13.2 lbs)
Main Accessories		AC power cord, remote control unit, battery (AA size x 2), set-up manual, cable clamp x 2, cover screw x 2, logo sticker, USB flash drive cover ^{*5} , SD memory card cover			

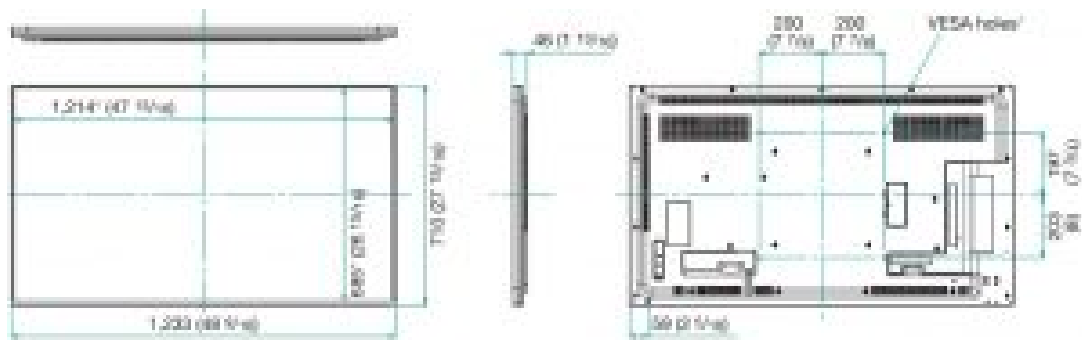
*1 Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. *2 Use a commercially available connection cable for PC and other video connections. *3 Analogue PC, video, and component video are switchable (via the bottom interface); use the menu to select.

Note that video and component video inputs require a conversion cable connected via the mini D-sub 15-pin jack.

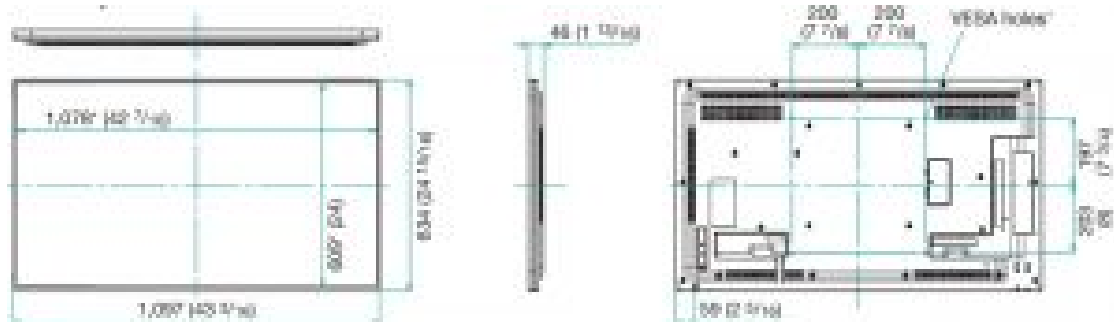
*4 Supported media formats: JPEG and PNG for still images; WMV, MP4, and TS for videos; and MP3 and WMA for audio. JPEG (.jpg) and WMV (.wmv) files can be played automatically. *5 Size of USB device (incl. terminal) usable with cover: max. 50 x 20 x 12 mm (LxWxH) * Sync-on-green and composite sync are not supported.

Dimensions

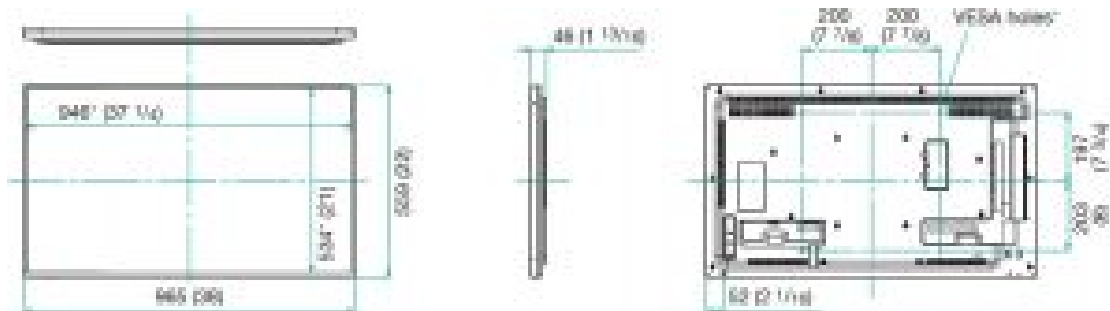
- (PN-Y556)



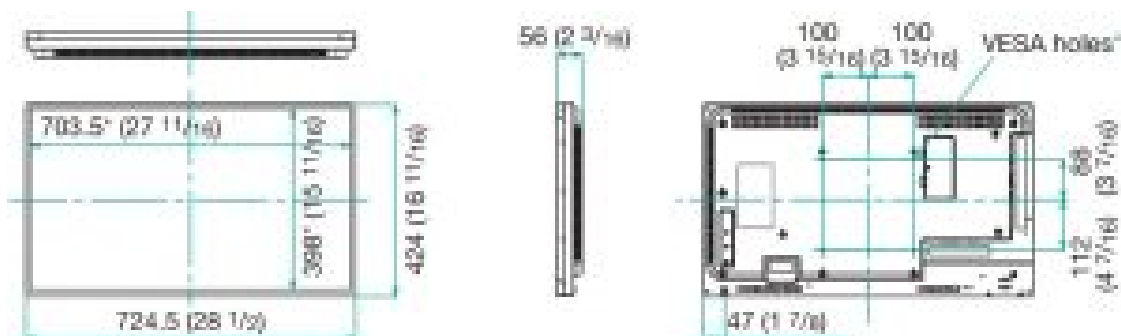
• (PN-Y496)



• (PN-Y436)



• (PN-Y326)

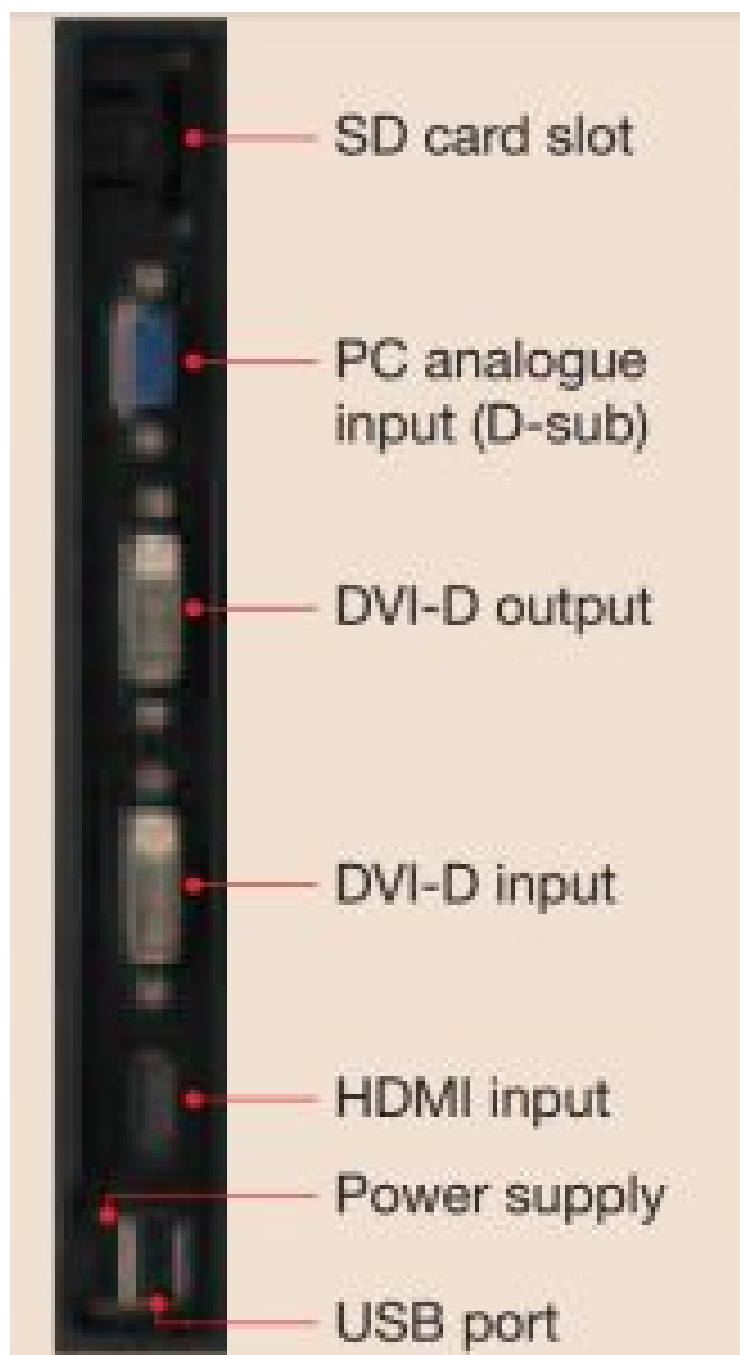


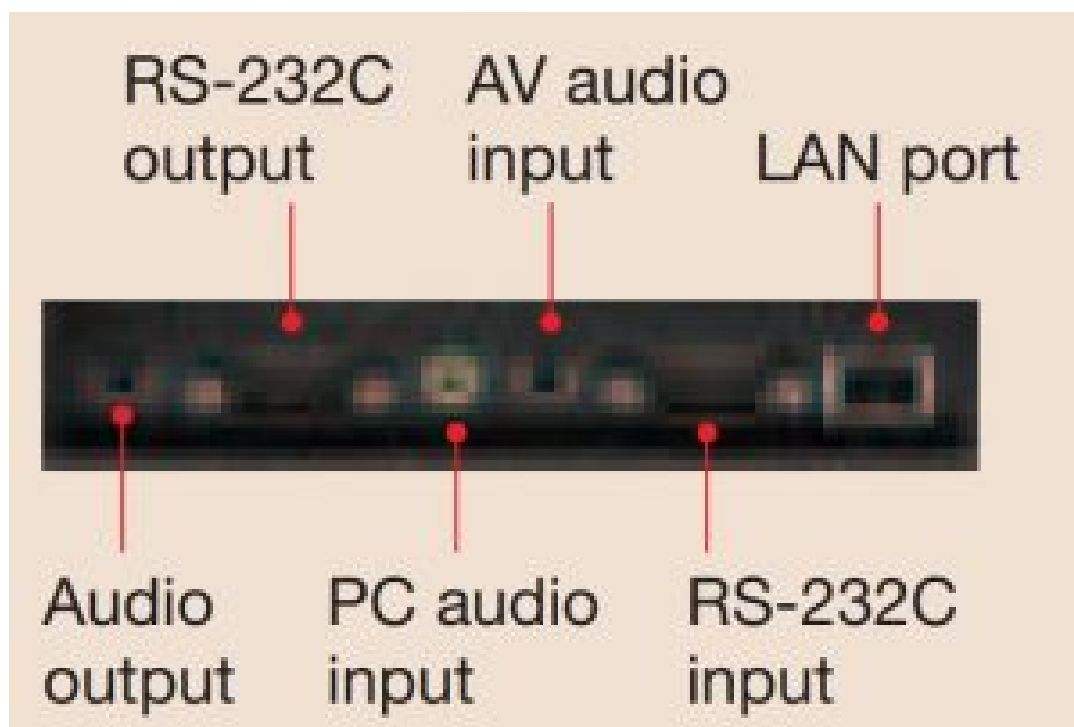
Units: mm (inch)

* Screen dimensions

* To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

Input/Output Terminals






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Documents / Resources

	<p>SHARP LCD Monitor [pdf] User Manual LCD Monitor, PN-Y556, PN-Y496, PN-Y436, PN-Y326</p>
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