Specifications

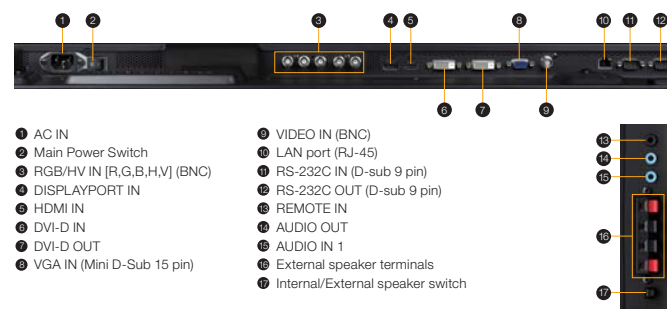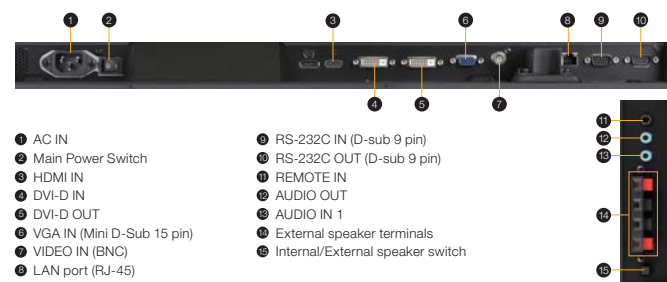| MODEL	V801-TM	V652-TM	V552-TM	V463-TM	V423-TM
LCD MODULE					
Viewable Size (Diagonal)	80"	65"	55"	46"	42"
Panel Technology	UV²A		AMVA3		S-IPS
Native Resolution			1920 x 1080		
Pixel Pitch	0.923 mm	0.744 mm	0.630 mm	0.530 mm	0.485 mm
Brightness (Typical/Maximum)	280 cd/m² / 410 cd/m²	320 cd/m² / 450 cd/m²	300 cd/m² / 430 cd/m²	330 cd/m² / 480 cd/m²	310 cd/m² / 430 cd/m²
Contrast Ratio (Typical)	5000:1		4000:1		1300:1
Active Screen Area (W x H)	1771.2 x 996.3 mm	1428.5 x 803.5 mm	1209.6 x 680.4 mm	1018.1 x 572.7 mm	930.2 x 523.3 mm
Response Time (Typical)	6 ms (G to G)	8 ms (G to G)		6.5 ms (G to G)	12 ms (G to G)
CONNECTIVITY					
Input Terminals					
RGB1 (Digital)			DVI-D		
RGB2 (Digital)			DisplayPort		
RGB3 (Analog)			Mini D-sub 15 pin		
RGB4 (Analog)		5 BNC		⎯⎯	
Video 1			Composite (BNC), (sharing with Mini D-sub 15 pin)		
Video 2			S-Video (sharing with Mini D-sub 15pin)		
Video 3			HDMI		
Component Video 1 (DVD/HD)			Sharing with Mini D-sub 15pin		
Audio			Audio 1 (Stereo Mini Jack), Audio 2 (HDMI), Audio 3 (DisplayPort)		
Output Terminals					
Video			DVI-D		
Audio			Stereo Mini Jack		
For Touch Panel			USB (B Type)		
External Control			RS-232C in / out for multiple monitor control, Ethernet, IR, DDC / CI		
Speaker Output					
External Speakers			15W + 15W (8 Ω)		
Internal Speakers			10W + 10W		
POWER					
Power Requirement	5.0 A @ 100-120V, 2.0 A @ 220-240V	4.1 A @ 100-120V, 1.7 A @ 220-240V	2.7 A @ 100-120V, 1.1 A @ 220-240V	2.5 A @ 100-120V, 1.0 A @ 220-240V	2.6 A @ 100-120V, 1.0 A @ 220-240V
Power Consumption (Typical)	230 W	190 W	100 W	85 W	95 W
Power Consumption - standby Mode			0.5 W		
PHYSICAL SPECIFICATIONS					
Bezel Width (L/R, T/B)	34.8 mm / 34.8 mm	53.5 mm / 50.5 mm	41.4 mm / 41.4 mm	32.8 mm / 32.8 mm	32.8 mm / 32.8 mm
Dimensions (without stand; WxHxD)	1842.8 x 1067.9 x 107.3 mm	1540.4 x 909.2 x 102.0 mm	1294.4 x 765.2 x 86.5 mm	1095.0 x 650.0 x 80.3 mm	1008.0 x 601.0 x 83.5 mm
Packaging Dimensions (WxHxD)	2062.0 x 1391.0 x 360.0 mm	1816.0 x 1190.0 x 320.0 mm	1430.0 x 920.0 x 250.0 mm	1260.0 x 788.0 x 225.0 mm	1158.0 x 760.0 x 204.0 mm
Net Weight (without stand)	79.9 kg	68.3 kg	40.8 kg	27.7 kg	24.4 kg
Gross Weight (with box)	97.9 kg	81.3 kg	49.0 kg	33.0 kg	30.0 kg
VESA Hole Configuration	400 × 400 mm (M8, 4 holes)			300 x 300 mm (M6, 4 holes)	
ENVIRONMENTAL CONDITIONS					
Operating Temperature			0 - 35°C		
Operating Humidity			20-80% (without condensation)		
ACCESSORIES					
Included		Power cord, DVI-D cable, USB cable, Wireless remote control, Batteries, Setup manual, Clamps, Screws with washer, CD-ROM, Thumbscrews for optional stand *1			

*1: V552-TM, V463-TM

● Dimensions

*The image is V652-TM.

V801-TM: 1842.8
V652-TM: 1540.4
V552-TM: 1294.4
V463-TM: 1095.0
V423-TM: 1008.0

V801-TM: 107.3
V652-TM: 102.0
V552-TM: 86.5
V463-TM: 80.3
V423-TM: 83.5

V801-TM: 1773.2
V652-TM: 1433.4
V552-TM: 1211.6
V463-TM: 1029.4
V423-TM: 942.4

V801-TM: 998.3
V652-TM: 808.2
V552-TM: 682.4
V463-TM: 584.4
V423-TM: 535.4

V801-TM: 1067.9
V652-TM: 909.2
V552-TM: 765.2
V463-TM: 650.0
V423-TM: 601.0

(unit : mm)
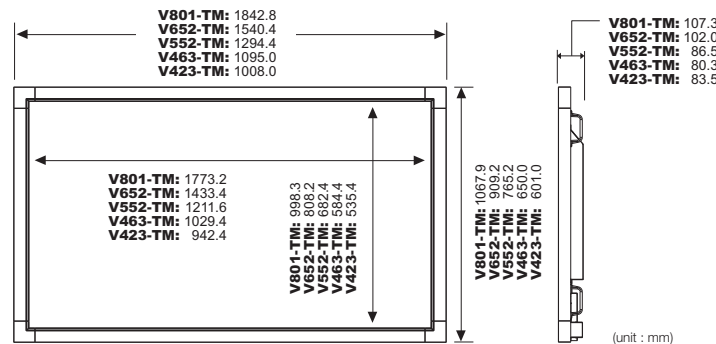
● Terminals

V801-TM / V652-TM / V552-TM

❶ AC IN
❷ Main Power Switch
❸ RGB/HV IN [R,G,B,H,V] (BNC)
❹ DISPLAYPORT IN
❺ HDMI IN
❻ DVI-D IN
❼ DVI-D OUT
❽ VGA IN (Mini D-Sub 15 pin)
❾ VIDEO IN (BNC)
❿ LAN port (RJ-45)
⓫ RS-232C IN (D-sub 9 pin)
⓬ RS-232C OUT (D-sub 9 pin)
⓭ REMOTE IN
⓮ AUDIO OUT
⓯ AUDIO IN 1
⓰ External speaker terminals
⓱ Internal/External speaker switch

V463-TM / V423-TM

❶ AC IN
❷ Main Power Switch
❸ HDMI IN
❹ DVI-D IN
❺ DVI-D OUT
❻ VGA IN (Mini D-Sub 15 pin)
❼ VIDEO IN (BNC)
❽ LAN port (RJ-45)
❾ RS-232C IN (D-sub 9 pin)
❿ RS-232C OUT (D-sub 9 pin)
⓫ REMOTE IN
⓬ AUDIO OUT
⓭ AUDIO IN 1
⓮ External speaker terminals
⓯ Internal/External speaker switch

● Options

	Slot Board						Stand	Speaker			Sensor Kit
	OPS-Single Board Controler (Computer)				HD-SDI 3G-SDI	HDBaseT		SP-RM1	SP-RM2	SP-TF1	KT-RC
	N8000-8866	N8000-8865	N8000-8830	N8000-8822							Ambient light IR Remote
	Corei5 60GB-SSD	Corei5 320GB-HDD	Corei5-520E	Celeron-P4505	SB-01HC SB-04HC	SB-07BC					
V801-TM	Yes	Yes	Yes	Yes	Yes	Yes	ST-801	Yes	-	Yes	Yes
V652-TM							ST-651				
V552-TM							ST-4620				
V463-TM											
V423-TM							ST-322	-	Yes		

Local options: please contact your supplier.

WLCD-1412-223NN

http://www.nec-display.com/ap/

Large-Screen LCD

Empowered by Innovation

NEC

LCD Touch Model Public Displays

MultiSync® V801-TM / V652-TM V552-TM / V463-TM / V423-TM

For applications where interactivity and reducing operational costs matter

Sales merchandise ratio   (unit:K)

Platinum
Gold
Palladium
Silver
Rhodium
Others

\Orchestrating a brighter world

Ideal for interactive usage such as retail signage, whiteboards in education, and corporate meetings, especially where multi-touch is required.

Excellent power efficiency by LED backlight

Use of the white LED backlight also helps reduce power consumption up to 50% compared to our former CCFL models.

Fan control

Temperature sensors and fans protect the panel from damage, which results in greater longevity and improved reliability even in very demanding installations.

*OSD image.
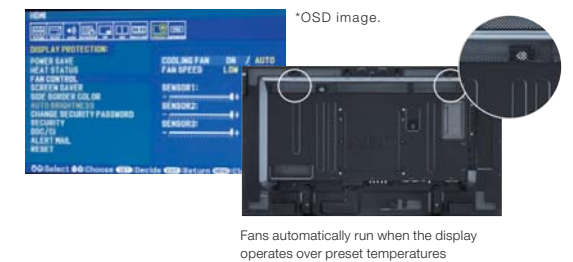
Fans automatically run when the display operates over preset temperatures

Designed for easy digital signage

OPS compatible slot

By installing a display controller (OPS-SBC) in the option slot, you can construct compact and smart digital signage even when there is no space for a client computer.

*OPS (open pluggable specification) is an open standard for digital signage set up by Intel Corporation in Oct. 2010.

OPS-SBC

Remote display management

In addition to remote control by RS-232C, this series is also compatible with LAN control by connection through a network. These remote display management functions make it easy to implement various digital signage systems.

Daisy chain function for digital signals

DVI-D IN and DVI-D OUT connectors enable daisy chaining of digital signals, which prevents signal degradation during transmission. RS-232C enables multi-display control and daisy chaining, allowing for individual and group-addressable control, and simple, effective setup and monitoring of the displays.

Computer (digital output)   DVI-D IN DVI-D OUT DVI-D IN DVI-D OUT   DVI-D IN
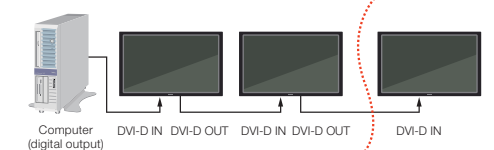
*The number of connectable units may vary due to the equipment used and the use of DVI-D cables and DVI-D splitters.

Please visit our web site for further information at http://www.nec-display.com/ap/

Internal scheduler

This function allows advanced scheduling of monitor power on/off, which increases panel lifetime, reduces power consumption and saves time.
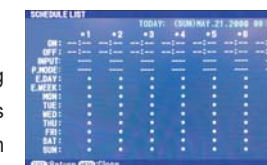
*OSD image.

Compatible with both landscape and portrait orientations

NaViSet Administrator 2

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of the majority of NEC display devices and Windows computers. It is ideal for multi-device installations over larger infrastructures.

Make signage more interactive with a touch panel

Reliable design by reinforced glass

Features 3-5 mm tempered protective glass that prevents scratches on the screen surface.

Up to 4-point multi-touch input is possible

Up to 4-point multi-touch input is possible, and the touch panel can be used without a special electronic pen.

Touch panel specifications

Detection method		IR scanning method (V801-TM / V552-TM)
		Optical imaging method (V652-TM / V463-TM / V423-TM)
PC connector		USB 2.0
Operating system		Windows 7, Vista, XP
Number of events		Up to 4-point multi-touch input meets Windows requirements*1
Protective glass	Thickness	V801-TM: 3.0 mm AR coating and AR film
		V652-TM: 5.0 mm AR coating (both sides)
		V552-TM / V463-TM / V423-TM : 4.0mm AR coating (both sides)
	Hardness	8h*2
	Impact resistance	130 cm*3
Power supply		No external power supply (equipped with internal power supply)

*1 Up to six-point multi-touch gesture input (VT801-TM / VT552-TM)
    Up to five-point multi-touch gesture input (VT652-TM / VT463-TM / VT423-TM)
*2 6h in case of V801-TM
*3 Distance of a steel ball (weight: 500 g) in one free fall without breaking.
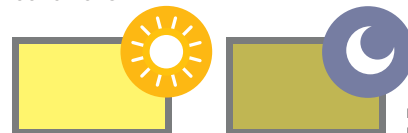
LED backlighting delivers both environmental and economic benefits

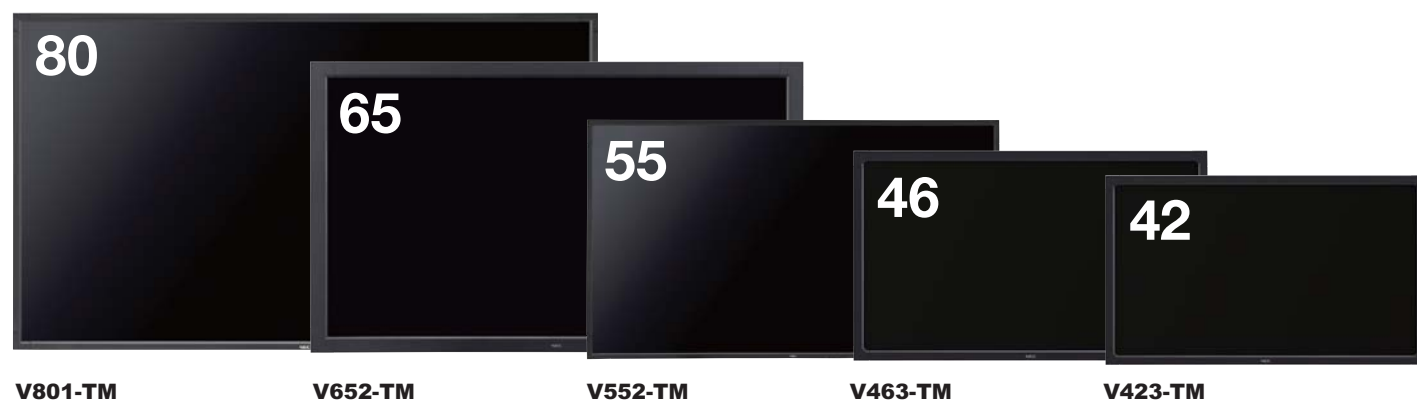### A thin design for a wider range of installation locations

By adoption of the LED backlight, the displays are thinner than our former models. The advantage of this thinner design is improved aesthetics such as closer mounting to walls. Furthermore, these large-screen displays can be set up in a portrait orientation.

Auto Dimming Function

Detects light in the surrounding area and automatically optimizes brightness of the display. Enables brightness settings to be adjusted to room lighting and eliminate unnecessary power consumption. This makes the viewing experience more comfortable to the eye in a variety of lighting conditions.

Brighter display when surroundings are bright
Darker display when surroundings are dark

Other Functions

Full high-definition (HD) LCDs that display beautiful high-definition images

These high-resolution 1920 × 1080 Full HD panels reproduce high-definition digital content with beautiful clarity and accuracy and raise the effectiveness of signage to a higher level.

Convenient high-power built-in 10 W + 10 W stereo speakers for audio playback

A variety of inputs to cover a wide range of signals

These displays are equipped with multiple inputs to display various types of content: DVI-D and Mini D-sub 15-pin inputs for computer signals, a state-of-the-art DisplayPort, and an HDMI terminal for interoperability with digital audio-visual equipment.

Calibration function

Display calibration is available using NEC dedicated calibration software* and a commercially available colour sensor. This ensures the colour and brightness uniformity of each panel over the duration of its deployment.

* NEC Display Wall Calibrator

● Plug and play ● Picture in picture ● Advanced thermal capabilities ● Carbon footprint meter
● Ethernet control and communication ● Kensington lock ● TileComp ● TileMatrix

80
65
55
46
42

V801-TM   V652-TM   V552-TM   V463-TM   V423-TM

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE