NEC MultiSync® WD551

LCD 55” Windows Collaboration Display

Datasheet





Connecting Teams! Optimise your meeting spaces for spontaneous creativity

For frictionless meeting experiences, with instant access whether in-room or remote, Sharp/NEC’s Windows Collaboration Display MultiSync® WD551 is an all-in-one smart solution for modern meeting spaces.

Supporting "Bring Your Own Meeting (BYOM)" scenarios, users simply connect their own device via the secure USB-C cable to immediately share content and start video meetings using already familiar Microsoft tools, such as Office 365 and Microsoft Teams.

The bezel-free PCAP optically bonded touch screen is easy to clean and provides a superior writing experience whether interacting via finger or active pen, supporting Windows Ink.

With integrated IoT sensors, the WD551 gathers telemetry from its environment such as room occupancy, temperature, ambient light and air quality data, which supports smart building strategies.

Ideal for small meeting spaces encouraging spontaneous meetings, users perform to their full potential with the tools and environment optimised for productive creativity.

Benefits

Bring your own meeting (BYOM) – a simple, unified solution for instant start-up meetings using any device.

Seamless, clutter-free connection – a single secure USB-C cable connects your device with the display to auto sync the built-in camera, speakers, mic, touch and pens.

Certified for Microsoft Teams and more – a frictionless BYOM solution launches video meetings using your preferred conferencing platform.

Natural touch, easy clean – the easy to clean flush screen design reduces parallax for a superb writing experience supporting Windows Ink with two active pens included.

Smart space management – maximise comfort of your meeting spaces and maintain optimal environmental parameters using the in-built IoT sensors to manage analytics across your meeting spaces.

Product Information

Product Name	NEC MultiSync® WD551
Product Group	LCD 55" Windows Collaboration Display
Order Code	60005140

Display

Panel Technology	IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	1,209.6 x 680.4
Screen Size [inch/cm]	55 / 138.78
Aspect Ratio	16:9
Brightness [cd/m²]	400, 350 (shipment setting)
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	178 / 178 (at contrast ratio > 10:1)
Colour Depth [bn]	1,073 (10bit)
Response Time (typ.) [ms]	8 (grey-to-grey)
Supported Orientation	Landscape

Glass

Type	Thermal-tempered, anti-glare coating
Thickness [mm]	3
Light Transmission [%]	≥ 88
Haze Level [%]	4 ~ 10
Reflection Rate [%]	4
Hardness [H]	7

Synchronisation Rate

Horizontal Frequency [kHz]	30 - 135
Vertical Frequency [Hz]	23 - 76

Resolution

Native Resolution	3840 x 2160

Connectivity

Input Video Digital	1 x HDMI (with HDCP); 2 x USB-C (with HDCP, 65 W)
Input Audio Digital	1 x HDMI
Input Control	1 x LAN 100Mbit; 1 x RS232
Input Data	1 x USB 2.0 (Type-A Downstream); 1 x USB 3.0 (Type-B Upstream); 2 x USB 3.0 (Type-A Downstream)

Sensors

Room Sensors	Air Quality (VOC) Sensor; Ambient Light Sensor; Humidity Sensor; Presence Sensor (H angle: 160°, V angle: 75°, Distance: 4 m); Temperature Sensor

Electrical

Power Consumption Eco/max. [W]	155 Eco (shipment setting), 371
Power Savings Mode [W]	< 0.5

Environmental Conditions

Operating Temperature [°C]	+0 to +40
Operating Humidity [%]	10 to 90

Mechanical

Dimensions (W x H x D) [mm]	Without stand: 1,266 x 856.7 x 85.1
Weight [kg]	Without stand: 31.2
Bezel Width [mm]	Edge-to-edge flush design (no bezel)
VESA Mounting [mm]	4 holes; 400 x 200 (FDMI); M8
Ingress Protection	IP5x (front); IP2.1 (back)

Touch

Touch Technology	PCAP
Number of Touches	10 point writing, 20 point touch
Touch Method	Active Stylus; Conductive Passive Stylus (≥ 8 mm); Finger
Supported Operating System	Android; Linux; Mac OS; Windows
Data Interface	USB-HID
Accuracy [mm]	Border +/- 2, Centre +/- 1.5
Palm Rejection	no
Windows Ink	yes

Video Conference Camera

Viewing Angle [°]	120 diagonal / 113 horizontal / 81 vertical
Resolution	Output HD 3840p 30fps

Microphone/Echo-Cancelling

Array	built-in 6 array
Distance [m]	6
Degrees [°]	180

Available Options

Accessories	Trolley (PD04 Tipster); Wall mount (PDW S 32-55 L)

Additional Features

Special Characteristics	Collaboration Display; Microsoft Teams Certified
Safety and Ergonomics	EMC Class B
Audio	Integrated Speaker (built-in Subwoofer: 15 W); Integrated Speakers (12 W + 12 W)
Shipping Content	1x 180 cm USB-C Cable [1]; 2 x Active Stylus; 2x AAA batteries; Bracket for Pen Charger; Cable Clamps; Display; Pen Charger; Power Cable; Remote Control; Setup Manual
Warranty	3 years warranty incl. backlight; optional 4. + 5. year warranty extension [2]
Operating Hours	16/7

[1] When using a USB-C cable other than the supplied 1.8m USB-C cable, make sure it supports SuperSpeed USB (USB 3.2 Gen 1) and Displayport DP1.4. Hi-Speed USB (USB 2.0) cable or charging cable does not support video/audio transmission. Please contact your local Sharp/NEC representative for additional USB-C cable recommendations.

[2] please refer to terms and conditions of warranty extensions



Collaboration Display

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