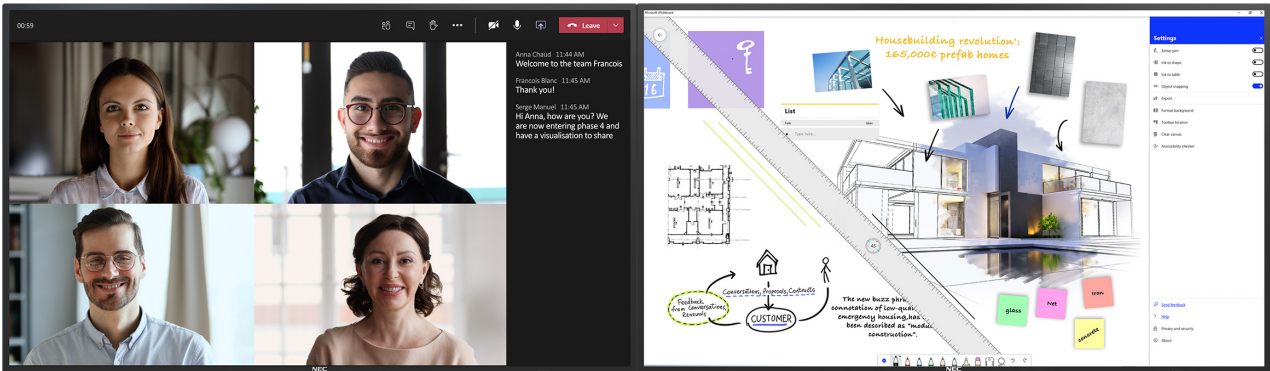SHARP / NEC

NEC 55" Du-Co Room System
Dual Collaboration Room System

Datasheet

Dual-Screen Room System for creative and interactive hybrid meetings

The 55" NEC Dual-Screen Room System combines two displays, an interactive NEC MultiSync® M551 IGB and an identically de-signed non-interactive MultiSync® M551 IGB non-touch, into a comprehensive user-friendly system. It is ideally suited for meeting and collaboration environments, whether for fully present or hybrid team meetings. With a sleek and elegant design, the display solution seamlessly fits into modern office spaces.

When working with an interactive and a non-interactive display in a dual-screen scenario, users no longer need to compromise between design and functionality. With the 55" NEC Du-Co Room System, users not only benefit from a visually pleasing solution but also an enhanced usability. Equipped with an InGlass™ touch display, the system offers a best-in-class pen-on-paper writing experience. Optimised for video conferencing (VC) room systems, the display solution facilitates creative processes in hybrid meetings, such as in Microsoft Teams or Zoom.

Benefits

Don't compromise on design – combining an interactive and non-interactive display with the same sleek and elegant design.

Natural writing experience – it's like working on paper! Whether using finger or pen, the InGlass™ touch technology provides seamless interactive touch performance including Windows Ink and palm rejection.

Both displays featuring NEC Open Modular Intelligence (OMI) slot-in technology - choose scalable computing power with Raspberry Pi Compute Module 4 or the more powerful Intel® Smart Display Modules (Intel® SDM) for tailor-made solutions.

Mission-critical 24/7 ready operation – the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

Be more productive – get a free version of FlatFrog Board for Rooms! FlatFrog Board whiteboard software makes hybrid work easy and equally productive for everyone.

Product Information

Product Name	NEC MultiSync® M551 IGB non-touch	NEC MultiSync® M551 IGB
Product Group	LCD 55" Display	LCD 55" InGlass™ Touch Display
Order Code	40001570	

Display

Panel Technology	IPS with Edge LED backlights
Screen Size [inch/cm]	55 / 138.8
Aspect Ratio 16:9	16:9
Brightness [cd/m²]	500
Contrast Ratio (default)	> 8000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	1,076 (10bit)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Supported Orientation	Landscape

Glass

Type	Premium toughened glass, anti-glare coating
Thickness [mm]	3.0
Light Transmission [%]	89 (+/- 1 %)
Haze Level [%]	≤ 5 +/- 3
Hardness [H]	7

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 91.1
Vertical Frequency [Hz]	23 - 86

Resolution

Native Resolution	3840 x 2160
Supported Resolutions	1024 x 768; 1280 x 1024; 1280 x 720; 1360 x 768;
	1366 x 768; 1400 x 1050; 1440 x 900; 1600 x 1200;
	1650 x 1050; 1900 x 1200; 1920 x 1080; 1920 x 2160;
	2560 x 1440; 2560 x 1600; 3840 x 2160; 4096 x 2160

Connectivity

Input Video Digital	1 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)
Input Audio Digital	1 x DisplayPort; 2 x HDMI
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Input Data	1 x USB 2.0 (MediaPlayer)
Output Audio Analogue	1 x 3,5 mm jack
Input Detect	Custom; First; Last
PiP/PbP	Dual-Split; Quad-Split; scalable picture size; Triple-Split

Open Modular Intelligence

Intel® SDM	accepts Intel® Smart Display Modules Large and Small up to 66 W
Compute Module Slot	RPi Compute Module 4

Sensors

Temperature Sensor	Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption Eco/max. [W]	110 shipping
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)

Power Management	VESA DPMS	
Power Supply	100-240 V AC; 50/60 Hz; internal	

Environmental Conditions

Operating Temperature [°C]	+0 to +35	
Operating Humidity [%]	20 to 80	
Storage Humidity [%]	10 to 90	
Storage Temperature [°C]	-20 to 60	

Mechanical

Dimensions (W x H x D) [mm]	1,284.5 x 757.3 x 70.9 per display each	
Weight [kg]	38	38.5
Bezel Width [mm]	18.4 (left and right); 18.4 (top and bottom)	
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6	
Ingress Protection	IP5x (front); IP2x (back)	
Packaging Dimensions (W x H x D) [mm]	Box 1: 1,430 x 920 x 250	Box 2: 1,430 x 920 x 250
Packaging Weight [kg]	Box 1: 46	Box 2: 47

Touch

Touch Technology	-	InGlass™
Number of Touches	-	Real multi-touch up to 20 touches
Response Time [ms]	-	≤ 15
Touch Method	-	Finger; Gloves; Stylus (≥ 2 mm)
Supported Operating System	-	Native Multi-Touch: Windows 7, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X; Raspberry Pi
Data Interface	-	USB-HID
Accuracy [mm]	-	< 1
Palm Rejection	-	yes
Windows Ink	-	yes

MediaPlayer

Supported File Storage / File System	USB 2.0 / FAT16, FAT32
Supported Image Formats	JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640
Supported Video Formats	MPG (MPEG1/2/4, max res 1080p@30Hz); MP4 (MPEG2/4, H.263, H.264, HEVC/H.265, max res 3840x2160@60Hz); TS (MPEG2, H.264, HEVC/H.265, max res 3840x2160@60Hz); audio: LPCM, MP3, AAC; WMV (video H.264, Windows Media Video 9, max res 1080p@30Hz, audio WMA 9, WMA 10 Pro)
Supported Audio Formats	MP3 (MP3); max. bit-rate 320 kBit/s

Available Options

Accessories	Soundbar (SP-ASCM-Q2, SP-ASCM-2); Speaker (SP-RM3a); Mounting Option (L20PNWALL90EU); Presence Sensor (KT-RC3)	

Green Features

Energy Efficiency	Energy consumption: 100 kWh/1000 h; LED backlight
Ecological Standards	EnergyStar 8.0

Additional Features

Special Characteristics	DICOM Simulation; HDMI ARC; Powered USB Port (10 W)
Safety and Ergonomics	CE; EAC; RoHS
Pixel Failure Class	ISO 9241-307, Class 1
Audio	Integrated Speakers (10 W + 10 W)

Shipping Content	2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual	2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual; USB Cable
Warranty	3 years warranty incl. backlight; additional services available	
Operating Hours	24/7	
External Control	AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP	
Remote Management	Automated Email Alerts; NEC NaViSet Administrator 2	
Security	Disable HW Buttons; Disable IR Functionality; Emergency Notification	

RoHS

CE