

## NEC MultiSync® P495

LCD 49" Professional Large Format Display

# Datasheet



### When imaging precision cannot be compromised

When imaging precision and 24/7 operational reliability cannot be compromised, the 5th generation of NEC MultiSync® P series presents best-in-class performance with an advanced feature set for mission-critical applications

Unparalleled clarity of detail and colour accuracy is achieved with 8K signal processing, wide colour gamut and the integrated NEC SpectraView® engine controlling all visual parameters. Even in bright ambient light conditions, high brightness levels of 700 cd/m<sup>2</sup> combined with a high haze filter guarantees exceptional readability with no annoying reflections. Despite its slim, elegant profile, the quality build is robust for use in public spaces, with an all-metal chassis for fire-retardancy. 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 signage solutions.

For best visualisation in control rooms and production lines, for passenger information and wayfinding signage; the NEC P Series is trusted for safety and long-life, fit-for-purpose performance.

## Benefits

**Secure remote management** – control your devices remotely and securely using NEC NaviSet Administrator 2; proactively manage maintenance requirements saving time and resources

**Unhindered readability** – no reflections from windows or other light sources means no disruption to the visibility of signage content or meeting room presentation

**Safe for public environments** – a metal back cover and intelligent heat management ensure safe use in public spaces where fire-retardancy is mandatory

**Enhanced imaging performance** – advanced settings of all relevant visual parameters allow full control of brightness, colour, gamma and uniformity via the SpectraView Engine for precise, natural images.

**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.

Product Information

|               |                                           |
|---------------|-------------------------------------------|
| Product Name  | NEC MultiSync® P495                       |
| Product Group | LCD 49" Professional Large Format Display |
| Order Code    | 60005049                                  |

Display

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Panel Technology          | IPS with Edge LED backlights                                |
| Screen Size [inch/cm]     | 49 / 124.5                                                  |
| Aspect Ratio              | 16:9                                                        |
| Brightness [cd/m²]        | 700                                                         |
| Contrast Ratio            | ≥ 8000:1 <sup>1</sup>                                       |
| Viewing Angle [°]         | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Colour Depth [bn]         | 1.073 (10bit)                                               |
| Colour Gamut              | 86% of DCI                                                  |
| Response Time (typ.) [ms] | 8                                                           |
| Panel Refresh Rate [Hz]   | 60                                                          |
| Haze Level [%]            | Pro (28)                                                    |
| Supported Orientation     | Face Down; Face Up <sup>2</sup> ; Landscape; Portrait       |

Resolution

|                       |                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Native Resolution     | 3840 x 2160                                                                                                                                                                               |
| Supported Resolutions | 1024 x 768; 1400 x 1050; 1920 x 2160; 4096 x 2160;<br>1280 x 1024; 1440 x 900; 2560 x 1440; 7680 x 4320<br>1360 x 768; 1600 x 1200; 2560 x 1600;<br>1366 x 768; 1920 x 1080; 3840 x 2160; |

Synchronisation Rate

|                            |          |
|----------------------------|----------|
| Horizontal Frequency [kHz] | 15 - 135 |
| Vertical Frequency [Hz]    | 23 - 76  |

Connectivity

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Input Video Digital  | 2 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 (Downstream); 1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream)   |
| Output Video Digital | 1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC); 1 x HDMI (loop through: HDMI, SDM slot-in PC) |

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Output Audio Analogue | 1 x 3,5 mm jack                               |
| Output Control        | 1 x LAN 100Mbit                               |
| Input Detect          | Custom; First; Last                           |
| PiP/PbP               | Dual-Split; Quad-Split; scalable picture size |

## Calibration

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| Factory Calibration              | Gamma; Intensity; RGB; Uniformity; White Point                                      |
| Sensor Calibration (through USB) | PC-less Calibration with USB Sensor MDSVSensor3; White Copy (post self-calibration) |
| Calibration with Software        | Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point   |
| Calibration Software             | Display Wall Calibrator                                                             |

## 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

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Ambient Light Sensor | Integrated, triggered actions programmable            |
| Temperature Sensor   | Integrated, 3 sensors, triggered actions programmable |

## Electrical

|                        |                                  |
|------------------------|----------------------------------|
| Power Consumption [W]  | 105 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 +40 |
| Operating Humidity [%]     | 20 to 80  |
| Storage Humidity [%]       | 10 to 90  |
| Storage Temperature [°C]   | -20 to 60 |

## Mechanical

|                             |                        |
|-----------------------------|------------------------|
| Dimensions (W x H x D) [mm] | 1,103.4 x 636.2 x 61.1 |
|-----------------------------|------------------------|

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| Weight [kg]                           | 22.9                                           |
| Bezel Width [mm]                      | 12 (top); 12.5 (left and right); 15.6 (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] | 1,298 x 860 x 224                              |
| Packaging Weight [kg]                 | 29.8                                           |
| Colour Bezel                          | Pantone 426M (black)                           |
| Material                              | Metal                                          |

## Available Options

|             |                                                                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessories | Feet (ST-43M); Presence Sensor (KT-RC3); Soundbar (passive: SP-PSCM-IQ); Speaker (SP-RM3); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-65 L, PDW S 32-65 P) |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Regulatory

|                       |                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------|
| Safety and Ergonomics | BSMI; CE; EAC; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI |
| Pixel Failure Class   | ISO 9241-307, Class 1                                                                |
| Resistance to Fire    | Metal backcover, plastic material certified acc. to UL94-5VB                         |

## Green Features

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Energy Efficiency    | Energy consumption: 106 kWh/1000 h; Energy efficiency class: G; LED backlight |
| Ecological Standards | EnergyStar 8.0                                                                |

## 3rd Party Certifications

|          |                                          |
|----------|------------------------------------------|
| Cisco    | Verified for Cisco Collaboration Devices |
| Crestron | Certified for Crestron Connected         |

## Additional Features

|                         |                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------|
| Special Characteristics | DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo                                                    |
| Audio                   | Integrated Audio Amplifier (for optional speakers up to 2 x 15 W)                                                      |
| Shipping Content        | 2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual                                       |
| Warranty                | 3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension <sup>3</sup> |
| 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; NaViSet Administrator 2                      |
| Security          | Disable HW Buttons; Disable IR Functionality; Emergency Notification |

<sup>1</sup> out of the box conditions, local dimming ON

<sup>2</sup> adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

<sup>3</sup> please refer to terms and conditions of warranty extensions



RCM



CE



FCC Class B



RoHS



VCCI

This document is © 2025 Sharp NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 21.08.2025