

LCD 49" Message Advanced Large Format Display

NEC MultiSync® MA491



Meticulously powerful signage

When true-to-life colour rendition is essential, the MA Series' advanced feature set delivers calibrated precision, without compromise. For specialist applications, the wide colour gamut panel, SpectraView engine technology and 8K signal processing, positions the MA series at the high end of professional content delivery.

The MA series' modular design includes Intel® Smart Display Module (Intel® SDM) technology integrated into the display, facilitating powerful media playback for the most intuitive signage creation and delivery. Featuring an integral audio amplifier, multi-picture mode technology and extensive connectivity including video out, the MA series offers versatile functionality for corporate signage and prestige retail applications.

Benefits

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

Wide colour gamut – high-performance panel technology delivers a wider spectrum of colours for a superb visual experience

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.

Specifications

Product Information

Product Name

NEC MultiSync® MA491

Product Group

LCD 49" Message Advanced Large Format Display

Order Code

60005050

Display

Panel Technology

IPS with Edge LED backlights

Screen Size [inch/cm]

49 / 124

Aspect Ratio

16:9

Brightness [cd/m²]

500

Contrast Ratio

≥ 8000:1¹

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 Up²; Landscape; Portrait

Resolution

Native Resolution

3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1600;
1280 x 1024;	1600 x 1200;	3840 x 2160;
1280 x 720;	1920 x 1080;	4096 x 2160;
1360 x 768;	1920 x 1200;	7680 x 4320
1366 x 768;	1920 x 2160;	
1400 x 1050;	2560 x 1440;	

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 MDSV Sensor3; 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]

85 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]

1,120 x 700 x 203

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: 102 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 extension³

Operating Hours

24/7

External Control

AMX NetLinx Support; ASCII Control Commands; Crestron
Connected; HDMI CEC; HTTP Browser; PLink; Scheduled Timer;
SNMP

Remote Management

Automated Email Alerts; NaViSet Administrator 2

Security

Disable HW Buttons; Disable IR Functionality; Emergency
Notification

¹ out of the box conditions, local dimming ON

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

³ please refer to terms and conditions of warranty extensions



RoHS



RCM



CE



VCCI



FCC Class B

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