

MultiSync® P484

LCD 48" Professional Large Format Display

Datasheet



The Definition of Digital Signage

Modular and scalable, NEC's MultiSync® P484 display brings powerful capability for Digital Signage. Deliver your message with impact and seamless simplicity for the most convincing results.

Compelling readability even in bright ambient light conditions is guaranteed with high brightness levels of 700 cd/m² combined with an anti-glare surface. Its modern, slim design forms an elegant digital surface which perfectly complements the surrounding architecture and integrates seamlessly into any environment. The wide range of connectivity options and compatibility with high resolution signals up to 4K/60Hz secure a futureproof investment. The Open Modular Intelligence (OMI) approach provides tailor-made Signage Solutions, where scalable computing power such as Raspberry Pi compute modules or OPS Slot-in PCs are seamlessly embedded into the display.

The 48" MultiSync® P484 is the perfect choice for short and medium viewing distances in retail environments, passenger information, quick service restaurants and all other public spaces.

Benefits

Superb readability in bright light environments – crisp playback of content thanks to high brightness output of 700 cd/m² and anti-reflective screen surface delivers clearly visible messages even under varying and demanding ambient conditions.

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.

Modern and slim design – robust yet elegant allowing for an unobtrusive integration into any application and environment.

Future Ready with Open Modular Intelligence Expansion – upgrade the power of your display at any time by seamlessly integrating one of NEC's options for OPS Slot-in PCs, Raspberry Pi compute modules or signal interfaces for content feed and computing.

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.

Ease of use and operation – Smart installation, operation and maintenance functionality ensures accurate performance over the entire lifetime of the display saving time, effort and resources.

All-in-one Signage solution integrated – the integrated mediaplayer for simple signage use supports easy content playback and management.

Free Download of Multi-Display Management Software – with NaViSet Administrator 2 you can manage all your connected display devices from a centralised location.

Product Information

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|---------------|---|
| Product Name | MultiSync® P484 |
| Product Group | LCD 48" Professional Large Format Display |
| Order Code | 60004040 |

Display

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|---------------------------------|---|
| Panel Technology | S-PVA with edge LED backlights |
| Active Screen Area (W x H) [mm] | 1,054.1 x 592.9 |
| Screen Size [inch/cm] | 48 / 120.9 |
| Brightness [cd/m²] | 700, 500 Eco (shipment setting) |
| Contrast Ratio (typ.) | 4000:1 |
| Viewing Angle [°] | 178 / 178 (at contrast ratio > 10:1) |
| Colour Depth [bn] | 1.073 (10bit) |
| Response Time (typ.) [ms] | 8 (grey-to-grey) |
| Haze Level [%] | Pro (25) |
| Supported Orientation | Landscape, Portrait, Face Up, Face Down |

Synchronisation Rate

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|----------------------------|----------------------------------|
| Horizontal Frequency [kHz] | 31.5 - 91.1 (analog and digital) |
| Vertical Frequency [Hz] | 24 - 85 |

Resolution

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|-----------------------|---|
| Native Resolution | 1920 x 1080 |
| Supported Resolutions | 4096 x 2160; 3840 x 2160; 1920 x 2160; 1920 x 1200; 1920 x 1080; 1680 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050; 1366 x 768; 1360 x 768; 1280 x 1024; 1280 x 960; 1280 x 800; 1280 x 720; 1024 x 768; 800 x 600; 640 x 480 |

Connectivity

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|-----------------------|---|
| Input Video Analogue | 1 x VGA |
| Input Video Digital | 1 x DVI-D (with HDCP); 2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP) |
| Input Audio Analogue | 2 x 3,5 mm jack |
| Input Audio Digital | 2 x DisplayPort; 2 x HDMI |
| Input Control | 1 x LAN 100Mbit; 1 x Remote Control (3.5 mm jack); 1 x RS232 |
| Input Data | 1 x microSD (MediaPlayer); 1 x USB 2.0 (MediaPlayer); 1 x USB 2.0 (Service); 1 x USB Type-B (Upstream); 2 x USB 2.0 (Compute Module, 1 x 5V/2A powered) |
| Output Video Digital | 1 x DisplayPort (loop through: DisplayPort, OPS slot-in PC) |
| Output Audio Analogue | 1 x 3,5 mm jack |
| Output Control | 1 x LAN 100Mbit |

Open Modular Intelligence

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|--|--|
| OPS Slot | Slot Technology: Open pluggable specification (NEC / Intel OPS standard) |
| OPS Max. Current / Power Consumption [A / W] | 10 / 61 |
| Compute Module Slot | Slot Technology: Compute Module Slot (NEC proprietary standard) |

Sensors

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| Ambient Light Sensor | Integrated, triggered actions programmable |
| Human Sensor | Optional, external, 4-5m range, triggered actions programmable |
| Temperature Sensor | Integrated, 3 sensors, triggered actions programmable |
| NFC Sensor | Integrated, 2cm range, free NEC Android App required |

Electrical

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|------------------------|--|
| Power Consumption [W] | 115 Eco (shipment setting), 140 |
| Power Savings Mode [W] | 3 (Networked Standby); < 0.5 (ECO Standby) |
| Power Management | VESA DPMS |

Environmental Conditions

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|----------------------------|-----------|
| Operating Temperature [°C] | +0 to +40 |
| Operating Humidity [%] | 20 to 80 |

Mechanical

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| Dimensions (W x H x D) [mm] | 1,086.5 x 625.3 x 54.7 |
| Weight [kg] | 17.6 |
| Bezel Width [mm] | 13.2 (left and right); 13.2 (top and bottom) |
| VESA Mounting [mm] | 300 x 300 (FDMI); 4 holes; M6 |
| Ingress Protection | IP5X (front); IP2X (back) |

Additional Features

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|-------------------------|---|
| Special Characteristics | Ambient Light Sensor; AMX NetLinX Support; ASCII Control Commands; Auto ID assignment; Auto tiling function; Automated Email Alert; CEC Support; Crestron RoomView Support; DICOM support; Display Browser Control; Emergency Notification; Full System Scheduler; Hardware colour calibration possible; Image flip; Intelligent Wireless Data (based on NFC); KeyGuide; MediaPlayer with Browser Control; NaViSet Administrator 2; OmniColor Control; OSD rotation for portrait mode; PLink Support; Point Zoom Function; Powered USB-Port; Programmable 12-bit LUT with 3 memory banks; Removable Logo; Secure Mode Operation; Slim LED Indicator; SNMP Support; TileMatrix (10 x 10); User readable log function; Various picture in picture options |
| Colour Versions | Black Front Bezel, Black Back Cabinet; optional coloured overframes |
| Safety and Ergonomics | C-tick; CE; EMC Class B; FCC; PSB; RoHS; TÜV GS; UL/C-UL or CSA; VCCI |
| Audio | Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W) |
| Shipping Content | CD-ROM (User Guides/Manuals); Display; DVI-D cable; Power Cable; Remote Control |
| Warranty | 3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension |
| Operating Hours | 24/7 |

Available Options

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|---------------------|---|
| Accessories | Feet (ST-401); Speaker ((TBD)); Trolley (PDMHM-L); Wall mount (PDW S 32-55 L and P, PD02W T M L, PD03W T M P) |
| Compute Module Slot | NEC Compute Module; Raspberry Pi Compute Module 1 and 3 |
| OPS Slot | HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C HDMI + DP Interface; OPS-2C Quad 3G SDI |

MediaPlayer

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|-------------------------|---|
| Supported Image Formats | JPG (baseline, progressive, RGB, CMYK); max. resolution 5000 x 5000; PNG (interlace, alpha channel); max. resolution 4000 x 4000 |
| Supported Video Formats | MP4 / MOV / FLV (video H.264, audio MP3, AAC); max. resolution 1080p at 30 Hz, 1080i at 60 Hz; MPG (video mpeg1/2, audio mpeg audio layer2/3, AAC-LC); MP @ ML, MP @ HL; WMV (video H.264, wmv advanced L3, wmv simple / main, audio mp3 wmv std); max. resolution 1080p at 30 Hz, 1080i at 60 Hz |
| Supported Audio Formats | MP3 (MP3); max. bit-rate 320 kBit/s; WAV (LPCM); max. 48 kHz sampling |

Green Features

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| Energy Efficiency | Ambient light sensor; Annual energy consumption: 168 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor |
| Ecological Materials | Manuals on CD; Optional feet |
| Ecological Standards | EnergyStar (TBD).(TBD) |



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