

# NEC MultiSync® P463

Order Code: 60003478

NEC LCD 46" Large Format Display

The slimmer, lighter MultiSync® P463 is packed with additional features that make it the ideal professional choice for any 24/7 Retail, Transportation, Corporate or Control Room applications that demand trusted performance, flexibility and lower costs of operation.

New Connectivity and Sensors allow additional creativity in the content displayed and how it is controlled. The unique built-in NFC sensor in combination with NEC's new Android app reduces installation and maintenance times, especially useful on larger installations. The Human Sensor is aware of proximity based viewer presence and can change brightness, volume, inputs or power the display up or down resulting in added engagement and considerable energy savings over time.



## DELIVERING GENUINE BENEFITS

**Programmable Ambient Light Sensor** - for reduced power consumption and eye pleasing brightness levels.

**Future Ready with OPS Cable Free Expansion** - Upgrade the power of your display at any time without the need for external cables or devices.

**DICOM support**- for medical applications.

**Free DisplayNote Presenter Licence** - present, share, collaborate with multiple participants across multiple devices (available until May 2014). Visit [www.displaynote-nec.com](http://www.displaynote-nec.com).

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



## OUTSTANDING PERFORMANCE

- **Reduce Installation and Operating Costs.** The combination of LED back lights, Intelligent Wireless Data (NFC), programmable Ambient Light Sensor and (optional) OPS Slot-in PCs delivers the lowest installation and operating cost of any public display on the market.
- **Intelligent Wireless Data (based on NFC).** The built-in near field communication (NFC) chip allows data to be read and written with a mobile phone or tablet PC. Using the NEC Android app the user can pre-configure the display e.g. LAN settings, language etc. by holding an NFC capable device close to the display. All data will be transferred to the screen without the display needing power. This reduces set up and installation time and cost.
- **Human Sensor.** Save on power and reduce operating cost when the display operates at a very low brightness level and only switches to a higher brightness when a person is nearby. This optional feature can also be used for creative signage to e.g. switch inputs automatically to change from entertainment to information when a person approaches the screen.
- **Interface Extension.** This slot offers unique flexibility for additional connections with the choice of adding a single digital or two analogue boards.



1. Power
2. Main Switch
3. Speaker connectors
4. Internal / External speaker switch
5. Audio out
6. USB port for service (firmware upgrades)
7. LAN daisy chain with SNMP (LAN switch and LAN / RS232 / remote loop through)
8. 2x Audio in
9. RS232 in
10. Remote in for external human / ambient sensor
11. VGA + Component input
12. DP 1.2 loop through
13. HDMI 1.4a
14. DVI-D

## SPECIAL CHARACTERISTICS

Auto ID assignment, Auto tiling function, FREE DisplayNote Presenter, HTTP Server, Image flip, NaViSet Administrator 2, Point Zoom Function, Programmable 10-bit LUT with 3 memory banks, Sticky Note Function in OSD, User readable log function



**Energy Efficiency** Human Sensor; Ambient light sensor; Carbon savings meter; ECOMode

**Ecological Materials** Optional feet; Manuals on CD

## Technical Specification NEC MultiSync® P463

|                                   |                                                                                                                                                                                    |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DISPLAY</b>                    |                                                                                                                                                                                    |
| Panel Technology                  | S-PVA with edge LED backlights                                                                                                                                                     |
| Active Screen Area (W x H) [mm]   | 1,018.08 x 572.7                                                                                                                                                                   |
| Screen Size [inch/cm]             | 46 / 116.8                                                                                                                                                                         |
| Brightness (shipping) [cd/m²]     | 550, (700 max)                                                                                                                                                                     |
| Contrast Ratio (typ.)             | 4000:1                                                                                                                                                                             |
| Viewing Angle [°]                 | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1)                                                                                                                        |
| Response Time (typ.) [ms]         | 8 (grey-to-grey)                                                                                                                                                                   |
| <b>SYNCHRONISATION RATE</b>       |                                                                                                                                                                                    |
| Horizontal Frequency [kHz]        | 31.5 - 91.1 (analog and digital)                                                                                                                                                   |
| Vertical Frequency [Hz]           | 50 - 85                                                                                                                                                                            |
| <b>RESOLUTION</b>                 |                                                                                                                                                                                    |
| Native Resolution                 | 1920 x 1080 at 60 Hz                                                                                                                                                               |
| Supported on DisplayPort and HDMI | 1024 x 768; 1080i; 1080p; 1280 x 1024; 1280 x 768; 1360 x 768; 1600 x 1200; 1920 x 1080; 3840 x 2160 (24/30 Hz); 480p (60 Hz); 576p (50 Hz); 640 x 480; 720p (50/60 Hz); 800 x 600 |
| Supported on HDMI only            | 1360 x 768; 3840 x 2160 (25 Hz); 4096 x 2160 (24 Hz); 480i (60 Hz); 576i (50 Hz)                                                                                                   |
| <b>CONNECTIVITY</b>               |                                                                                                                                                                                    |
| Input Video Analogue              | 1 x D-sub 15 pin                                                                                                                                                                   |
| Input Video Digital               | 1 x DVI-D (with HDCP); 1 x HDMI (with HDCP); 1 x DisplayPort (with HDCP)                                                                                                           |
| Input Audio Analogue              | 2 x 3,5 mm jack                                                                                                                                                                    |
| Input Audio Digital               | DisplayPort; 1 x HDMI                                                                                                                                                              |
| Input Control                     | LAN 100Mbit; remote control wire (3,5mm jack); RS232                                                                                                                               |
| Output Video Digital              | 1 x DisplayPort; 1 x DVI-D; 1 x HDMI; 1 x Interface Extension Slot; 1 x OPS; 1 x through DisplayPort out                                                                           |
| Output Audio Analogue             | 3,5mm jack                                                                                                                                                                         |
| Output Control                    | LAN 100Mbit                                                                                                                                                                        |
| Remote Control                    | RS-232C (9-pin D-sub) Input; LAN with SNMP; Remote Control IR (internal/external (optional) sensor)                                                                                |
| <b>INTERFACE EXTENSION SLOT</b>   |                                                                                                                                                                                    |
| Slot Technology                   | analogue and digital interface extension (NEC standard)                                                                                                                            |
| <b>OPS OPTION SLOT</b>            |                                                                                                                                                                                    |
| Slot Technology                   | Open pluggable specification (NEC / Intel OPS standard)                                                                                                                            |
| Inrush Current [A]                | max. 10                                                                                                                                                                            |
| Power Consumption [W]             | max. 61                                                                                                                                                                            |
| Voltage / Current [V/A]           | 16/4                                                                                                                                                                               |
| <b>SENSORS</b>                    |                                                                                                                                                                                    |
| 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                                                                                                                               |
| <b>ELECTRICAL</b>                 |                                                                                                                                                                                    |
| Power Consumption on Mode [W]     | 120 shipping; 280 (max.)                                                                                                                                                           |
| Power Savings Mode [W]            | < 0.5 (ECO Standby); < 1                                                                                                                                                           |
| Power Management                  | VESA DPMS                                                                                                                                                                          |
| <b>ENVIRONMENTAL CONDITIONS</b>   |                                                                                                                                                                                    |
| Operating Temperature [°C]        | +0 to +40                                                                                                                                                                          |
| Operating Humidity [%]            | 20 to 80                                                                                                                                                                           |
| <b>MECHANICAL</b>                 |                                                                                                                                                                                    |
| Dimensions (W x H x D) [mm]       | Without stand: 1,055.4 x 608.6 x 64.5                                                                                                                                              |
| Weight [kg]                       | Without stand: 21.4                                                                                                                                                                |
| Bezel Width [mm]                  | 16.5                                                                                                                                                                               |
| VESA Mounting [mm]                | 300 x 300 (FDMI); 4 holes; M6                                                                                                                                                      |
| <b>AVAILABLE OPTIONS</b>          |                                                                                                                                                                                    |
| Accessories                       | Trolley (PDMHM-L); Feet (ST-322); Speaker (SP-TF1, SP-RM1); Wall mount (PDW S 32-55 L/P)                                                                                           |
| Interface Extension               | SB3-AB1 analogue: Audio; Component; Composite; S-Video<br>SB3-AB2 analogue: Audio; RGBHV<br>SB3-DB1 digital: 1 x DisplayPort out; 1 x HDMI; 2 x DisplayPort                        |
| OPS                               | HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; WiDi receiver                                                                                               |
| <b>ADDITIONAL FEATURES</b>        |                                                                                                                                                                                    |
| Safety and Ergonomics             | C-tick; CE; FCC Class B; PSB; TÜV GS; UL/C-UL or CSA; VCCI; RoHS                                                                                                                   |
| Audio                             | Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)                                                                                                                 |
| Shipping Content                  | Display; DVI-D cable; Power Cable; Remote Control; CD-ROM (User Guides/Manuals)                                                                                                    |
| Warranty                          | 3 years warranty incl. backlight                                                                                                                                                   |