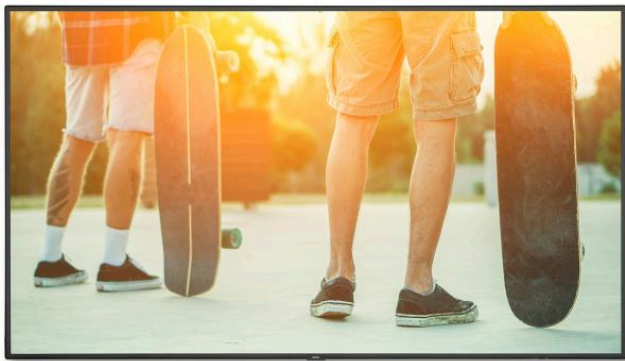


## MultiSync® V864Q

LCD 86" Ultra-High Definition Large Format Display

## Datasheet



### Boosting the viewing experience for digital signage and presentation

For compelling visualisation, NEC's MultiSync® V864Q couples the best UHD viewing experience with worry free operation, yet at the lowest operational investment.

Stunning "pixel-free" ergonomic viewing is smartly merged with reliable colour reproduction for the most realistic and thrilling images with expanded contrast ratios. Eye-pleasing visibility under common light conditions is guaranteed thanks to the combination of a brightness output of 500 cd/m<sup>2</sup> with low reflection from the anti-glare surface. The modern and slim design is the perfect fit to complement the surrounding architecture as well as for integration into any application and environment. Open Modular Intelligence (OMi) is the smartest way to deliver tailor-made signage solutions, where scalable computing power is seamlessly embedded into the display.

The 86" MultiSync® V864Q is the perfect choice for life-size advertising in retail stores, leisure and museum environments, hospitality areas and corporate welcome boards as well as for presentations in meeting and conferencing facilities.

## Benefits

**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.

**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.

**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.

**Future-proof signal connectivity and processing** – numerous native UHD resolution inputs with 60Hz refresh rate including DisplayPort, HDMI and an option slot for OPS Slot-in PCs, plus automatic upscaling to UHD for other signals, provide "pixel-free viewing" on a large scale.

**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.

**Cost Saving Device Management** – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

## Product Information

|               |  |
|---------------|--|
| Product Name  | MultiSync® V864Q                                   |
| Product Group | LCD 86" Ultra-High Definition Large Format Display |
| Order Code    | 60004037   |

## Display

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Panel Technology                | IPS with Edge LED backlights         |
| Active Screen Area (W x H) [mm] | 1,895 x 1,065.9                      |
| Screen Size [inch/cm]           | 86 / 217                             |
| Brightness [cd/m²]              | 500, 350 (shipment setting)          |
| Contrast Ratio (typ.)           | 1200:1                               |
| 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 (28)                             |
| Supported Orientation           | Face Up; Landscape; Portrait         |

## Synchronisation Rate

|                            |             |
|----------------------------|-------------|
| Horizontal Frequency [kHz] | 31.5 - 91.1 |
| Vertical Frequency [Hz]    | 24 - 85     |

## Resolution

|                       |  |
|-----------------------|--|
| Native Resolution     | 3840 x 2160  |
| Supported Resolutions | 4096 x 2160; 3840 x 2160; 1920 x 2160; 1920 x 1080 |

## Connectivity

|                       |  |
|-----------------------|--|
| Input Video Digital   | 2 x DisplayPort (with HDCP); 3 x HDMI (with HDCP)  |
| Input Audio Analogue  | 1 x 3,5 mm jack  |
| Input Audio Digital   | 2 x DisplayPort; 3 x HDMI  |
| Input Control         | 1 x LAN 100Mbit; 1 x Remote Control (3.5 mm jack); 1 x RS232   |
| Input Data            | 1 x microSD (Value); 1 x USB 2.0 (Downstream); 1 x USB 2.0 (MediaPlayer); 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

|  |  |
|--|--|
| OPS Slot                                     | Slot Technology: Open pluggable specification (NEC / Intel OPS standard) |
| OPS Max. Current / Power Consumption [A / W] | 4.7 / 75   |
| Compute Module Slot                          | Slot Technology: Compute Module Slot (NEC proprietary standard)          |

## Sensors

|                      |  |
|----------------------|--|
| 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

|                        |                                |
|------------------------|--------------------------------|
| Power Consumption [W]  | 230 shipping                   |
| Power Savings Mode [W] | < 0.5; < 2 (Networked Standby) |
| Power Management       | VESA DPMS                      |

## Environmental Conditions

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

## Mechanical

|                             |   |
|-----------------------------|---|
| Dimensions (W x H x D) [mm] | Without stand: 1,928 x 1,099 x 74               |
| Weight [kg]                 | 57.8  |
| Bezel Width [mm]            | 15.3 (left and right); 15.3 (top and bottom)    |
| VESA Mounting [mm]          | 4 holes; 400 x 400 (FDMI); 600 x 400 (FDMI); M8 |
| Ingress Protection          | IP5x (front); IP2x (back)                       |

## Additional Features

|                         |  |
|-------------------------|--|
| Special Characteristics | 12-bit Look Up table; Ambient Light Sensor; AMX NetLinx Support; ASCII Control Commands; Auto ID assignment; Auto tiling function; Automated Email Alert; CEC Support; Crestron Connected Support; DICOM Simulation; Display Browser Control; Emergency Notification; HDMI with UHD at 60 Hz; HDR Gamma Support (HLG, PQ); KeyGuide; MediaPlayer with Browser Control; NaViSet Administrator 2; OmniColor Control; OSD rotation for portrait mode; PIN as theft protection; PLink Support; Powered USB-Port; Removable Logo; Scheduler; Slim LED Indicator; SNMP Support; TileMatrix (10 x 10); User readable log function |
| Colour Versions         | optional coloured overframes   |
| Safety and Ergonomics   | CE; EAC; EMC Class B; FCC; SASO; 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; DisplayPort Cable; Remote Control; USB cable  |
| Warranty                | 3 years warranty incl. backlight; optional 4. + 5. year warranty extension   |
| Operating Hours         | 24/7   |

## Available Options

|                     |  |
|---------------------|--|
| Accessories         | Feet (ST-801); Speaker (SP-864QSM, SP-TF1); Trolley (PD02MHA); Wall mount (PDW T XL-2) |
| Compute Module Slot | NEC Compute Module; Raspberry Pi Compute Module 1 and 3                                |
| OPS Slot            | HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C Quad 3G SDI               |

## MediaPlayer

|                                      |   |
|--------------------------------------|---|
| 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   |
| Supported File Storage / File System | MicroSDHC / FAT16, FAT32; USB 2.0 / FAT16, FAT32  |

## Green Features



CE



TÜV GS



VCCI

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