\Orchestrating a brighter world NEC

MultiSync® V864Q PG (Protective Glass)

LCD 86" Protective Glass Large Format Display

Datasheet



Professional Protection for compelling Digital Signage results

The NEC MultiSync® V864Q PG combines professional protection of your investment with thrilling display performance in ultra-high definition. Deliver your message with impact and seamless simplicity for the most convincing results.

Guaranteed reliability even under the toughest conditions is achieved with the super robust 4mm thick protective glass designed to withstanding external impacts. The anti-reflective glass surface combined with brightness levels of 500 cd/m² provides crisp and clear images and readability from different viewing angles and distances.

The MultiSync® V864Q PG is the perfect choice for creating a big and durable impression in public spaces with high volumes of people such as for applications in transportation, retail, hospitality and digital out of home as well as for tough environments in industrial applications.

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 PG (Protective Glass)
Product Group	LCD 86" Protective Glass Large Format Display
Order Code	60004585

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)
Glass Type	Security Glass with anti-reflextion coating
Reflection Rate [%]	< 96
Thickness [mm]	6
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 (MediaPlayer); 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 Eco/max. [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: 1,930.2 x 1,101.2 x 85.3
Weight [kg]	89.4
Bezel Width [mm]	16.3 (left and right); 16.3 (top and bottom)
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); 600 x 400 (FDMI); M8
Ingress Protection	IP5x (front); IP2x (back)

Glass

Thickness [mm]	6
Type	Thermal-tempered, anti-glare coating
Light Transmission [%]	96 (+/- 0 %)
Reflection Rate [%]	1

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

Available Options

Accessories	Feet (ST-801); Trolley (PD02MHA, PD03MHA); 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

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 372 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: A; Local dimming

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; Cisco Webex Kit compatible; 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; PJLink 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
Pixel Failure Class	ISO 9241-307, Class Value
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

CE TÜV GS VCCI

This document is © 2019 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. 16.08.2019