

## MultiSync® UN462A LCD 46" Video Wall Display

# Datasheet



### Turn every wall into an opportunity

The slim NEC MultiSync® UN462A turns any wall into an opportunity to reliably display information like passenger information, restaurant menus, or corporate agendas. It was made with busy spaces in mind – like airports, train stations, casual dining restaurants and even mission-critical spots like control rooms – and optimised to project static and moving content. Designed with 700cd/m<sup>2</sup> of brightness and an anti-reflection haze filter, these screens are easy to read, even in bright environments. Installation and operation is a breeze. It comes equipped with powerful calibration capabilities, so the initial video wall setup requires minimal effort, while the long-term colour and brightness will maintain a striking homogeneity. The screen's frameless design forms a flat digital canvas that allows it to blend in and create one continuous image across multiple screens.

## Benefits

**Easy to install** – it's simple to get your display up and running with its out-of-the-box calibrated picture pre-sets, managing colour settings and uniformity controlled by the SpectraView Engine — not to mention its simple, software-free calibration capabilities.

**Accelerate your video wall configuration** – set up your wall in no time with the display's powerful configuration capabilities, which include Auto ID/IP, Auto Tile Matrix, and Tile-/Frame Compensation. Enjoy flawless playback across your entire video wall.

**Long-lasting continuous pictures** – align your display with powerful calibration capabilities. Use the white copy function, colour drift correction, uniformity control, self-calibration and validation to create a continuous surface across multiple screens that gives the appearance of one, seamless wall.

**Reliable image reproduction** – best suited for static image reproduction with reliable accuracy in mission critical applications. Our PVA panel technology makes sure you have the best viewing experience with excellent contrast and black level.

**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.

**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.

**Safe and secure displays** – each display is EMC class-B certified and ideally suited for critical emission environments that require safer standards than other displays do.

## Product Information

Product Name	MultiSync® UN462A
Product Group	LCD 46" Video Wall Display
Order Code	60004517

## Display

Panel Technology	VA with Direct LED backlights
Active Screen Area (W x H) [mm]	1,018 x 573
Screen Size [inch/cm]	46 / 117
Aspect Ratio	16:9
Pixel Pitch [mm]	0.530
Brightness [cd/m <sup>2</sup> ]	700
Contrast Ratio (typ.)	3500:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	25
Supported Orientation	Landscape; Portrait

## Synchronisation Rate

Horizontal Frequency [kHz]	26 - 134
Vertical Frequency [Hz]	23 - 86

## Resolution

Native Resolution	1920 x 1080			
Supported on DisplayPort and HDMI	3840 x 2160; 1920 x 1080; 1600 x 1200;	1360 x 768; 1280 x 1024; 1280 x 768;	1080i; 1080p; 1024 x 768;	800 x 600; 720p (50/60 Hz); 640 x 480

## Connectivity

Input Video Analogue	1 x VGA; Component (RCA); Composite (RCA)
Input Video Digital	1 x DVI-D (with HDCP); 1 x OPS Slot; 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 RS232; 2 x LAN 100Mbit; remote control wire (3,5mm jack)
Input Data	1 x microSD (Media Player); 1 x USB 1.0 (Media Player); 1 x USB 2.0 (Downstream); 1 x USB 2.0 (Upstream); 2 x USB 1.0 (Compute Module, 1 x 5V/2A powered)
Output Video Digital	1 x DisplayPort (loop through: DisplayPort, OPS slot-in PC); 1 x HDMI (loop through: HDMI, OPS slot-in PC, Mediaplayer)
Output Audio Analogue	1 x 3,5 mm jack
Output Control	LAN 100Mbit

## Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)
OPS Max. Current / Power Consumption [A / W]	3.6 / 58
Compute Module Slot	Slot Technology: Compute Module Slot (NEC proprietary standard)

## Sensors

Human Sensor Optional, external, 4-5m range, triggered actions programmable

## Electrical

Power Consumption [W] 125 shipping; 350 (max.)  
Power Savings Mode [W] < 0.5; < 2 (Networked Standby)

## 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] 1,022 x 577 x 101  
Weight [kg] 21.4  
Bezel Width [mm] 1.2 bottom/right; 2.3 top/left; 3.5  
VESA Mounting [mm] 300 x 300 (FDMI); 4 holes; M6

## 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

## Available Options

Accessories Calibration kit (KT-LFD-CC2); Feet (ST-332); Overframe kit (KT-46UN-OF5); Remote control kit (KT-RC2; KT-RC3)  
Compute Module Slot Raspberry Pi Compute Module 1 and 3

## Green Features

Energy Efficiency Annual energy consumption: 265 kWh (based on 4 operating hours per day); Carbon savings meter; Energy efficiency class: D; Human Sensor; LED backlight

## Additional Features

Special Characteristics Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails; DICOM Simulation; Frame Comp; HTTP Server; Image flip; Intelligent Wireless Data (based on NFC); NaViSet Administrator 2; TileMatrix; USB Media Player; User input priority definition; User readable log function  
Colour Versions Black Front Bezel, Black Back Cabinet  
Safety and Ergonomics BSMI; CE; EAC; EMC Class B; FCC; PSB; RCM; REACH; RoHS; SASO; TÜV GS; TÜV S; UL/C-UL; VCCI  
Pixel Failure Class ISO 9241-307, Class 2  
Audio Optional Speakers (15 W + 15 W)  
Plug and Play VESA DDC/CI  
Shipping Content Display; DisplayPort Cable; HDMI Cable; Power Cable  
Warranty 3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension  
Operating Hours 24/7



CE



RCM



RoHS



TÜV GS



VCCI

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