

MultiSync® UN462A
LCD 46" Video Wall Display

Preliminary 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/m² 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

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.

Product Information

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

Display

Panel Technology	PVA 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/m²]	700
Contrast Ratio (typ.)	3500:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	0.017 (8bit)
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
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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	(TBD) x microSD ((TBD)); 1 x USB 1.0 (Downstream); 1 x USB 1.0 (Value); 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]	(TBD) / (TBD)
Compute Module Slot	Slot Technology: Compute Module Slot (NEC proprietary standard)

Sensors

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

Power Consumption [W]	(TBD) shipping; 355 (max.)
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Environmental Conditions

Operating Temperature [°C]	+0 to +50
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]	21.8
Bezel Width [mm]	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

Compute Module Slot	Raspberry Pi Compute Module 1 and 3
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Green Features

Energy Efficiency	Human Sensor; LED backlight
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Additional Features

Safety and Ergonomics	BSMI; CE; EAC; EMC Class B; FCC; KC/KCC; PSB; RCM; REACH; RoHS; SASO; TÜV GS; TÜV S; UL/C-UL; VCCI
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
Operating Hours	24/7



CE



RCM



RoHS



TÜV GS



VCCI

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