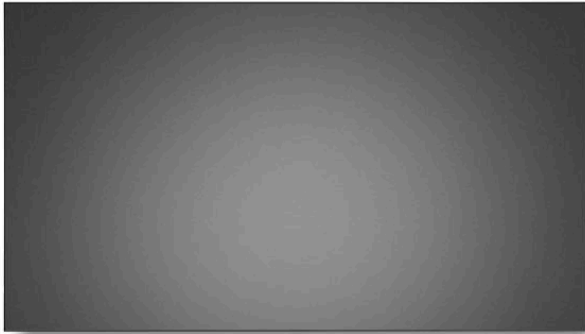


MultiSync® UN492VS LCD 49" Video Wall Display

Datasheet



Bring your walls to life

The Multisync® UN492VS, with its 49" display, ushers in an exciting era of video display wall technology, one that allows for even better image quality, even easier installation, and a longer-lasting consistency.

Expect compelling picture performance with the Multisync® UN492VS's powerful calibration capabilities. Tune the picture quality to your specific needs and create one single image across multiple displays. The 500cd/m² display brightness provides dependable readability at a fair price. The combined bezel of only 1.8mm optimises active video space. Its integrated heat management ensures a reliable and long-lasting operation.

Video walls embody the "wow" factor. The large-sized modular displays attract shoppers in retail malls and other public spaces. They entertain museum goers and help make decisions easier for diners in quick-service restaurants.

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.

Easy installation - effortlessly set up your wall display with Auto TileMatrix and out-of-the-box calibrations. Save time by plugging in ready-to-use image presets for predefined application scenarios.

Lifelike and consistent colour - expect colour reproduction that feels true to life with IPS panel technology, the top choice when it comes to colour consistency. The S-IPS panel ensures that perfect visibility is maintained in landscape and portrait mode and at extreme viewing angles as viewers pass by.

Secure Reliability and Longevity of Video Walls - unique NEC heat management system enables the user to monitor and control the heat inside the display.

Smart media integration - seamlessly integrate the media source of your choice into the video wall display. Use the wide range of NEC's OPS Slot-in PCs, and Raspberry Pi compute modules, 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® UN492VS
Product Group	LCD 49" Video Wall Display
Order Code	60004520

Display

Panel Technology	S-IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	1,073.8 x 604
Screen Size [inch/cm]	49 / 123.2
Aspect Ratio	16:9
Pixel Pitch [mm]	0.559
Brightness [cd/m ²]	500
Contrast Ratio (default)	> 1700:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (28)
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; 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 Remote Control (3.5 mm jack); 1 x RS232; 2 x LAN 100Mbit
Input Data	1 x microSD (MediaPlayer); 1 x USB 1.0 (Downstream); 1 x USB 1.0 (MediaPlayer); 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

Calibration

Factory Calibration	Gamma; Intensity; RGB; Uniformity; White Point
Sensor Calibration (through USB)	PC-less Calibration with USB Sensor MDSV Sensor3; White Copy (post self-calibration)
Calibration with Software	Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; Update Uniformity Correction; White Point
Calibration Software	NEC Display Wall Calibrator

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
Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
NFC Sensor	Integrated, 2cm range, free NEC Android App required

Electrical

Power Consumption Eco/max. [W]	275 (max.); 95 shipping
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]	Without stand: 1,075.7 x 605.9 x 99
Weight [kg]	Without stand: 25.4
Bezel Width [mm]	0.9 bottom/right; 0.9 top/left; 1.8
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-322); Overframe kit (KT-49UN-OF); Remote control kit (KT-RC3); Speaker (SP-TF1); Wall mount (PD04VWM MFS 46-55 L/P; PD04VW QR 46-55 L/P)
Compute Module Slot	Raspberry Pi Compute Module 1 and 3
OPS Slot	Intel® Atom, Celeron and Core i3, i5, i7 Slot-in PCs

Green Features

Energy Efficiency	Annual energy consumption: 164 kWh (based on 4 operating hours per day); Carbon savings meter; Energy efficiency class: B; Human Sensor; LED backlight
Ecological Standards	EnergyStar 8.0

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; PJLink Support; 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; LAN cable (RJ45); 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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