

Product Name
MultiSync® UN462VA

Product Group
LCD 46" Video Wall Display

Order Code
60004518

Display

Panel Technology
VA with Direct LED backlights

Active Screen Area (W x H) [mm]
1,018.1 x 572.7

Screen Size [inch/cm]
46 / 117

Aspect Ratio
16:9

Pixel Pitch [mm]
0.530

Brightness [cd/m²]
500

Contrast Ratio (typ.)
3500:1

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Gamut
72% of CIE 1976

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (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; | 1360 x 768; | 1080i; | 800 x 600; |
| 1920 x 1080; | 1280 x 1024; | 1080p; | 720p (50/60 Hz); |
| 1600 x 1200; | 1280 x 768; | 1024 x 768; | 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 (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

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]

290 (max.); 90 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: 1,022 x 577 x 101

Weight [kg]
Without stand: 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-322); Overframe kit (KT-46UN-OF5); Remote control kit (KT-RC3); Speaker (SP-TF1); Wall mount (PD04VWM MFS 46-55 L/P; PD04VW QR 46-55 L/P; CK02XUN MFS 46 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: 157 kWh (based on 4 operating hours per day); Carbon savings meter; Energy efficiency class: B; 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; 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
