\Orchestrating a brighter world

MultiSync® X841UHD-2

LCD 84" Ultra-High Definition Large Format Display

Datasheet





Unmatched richness of detail, commanding in its presence

Enjoy a new era of visual experience with an expansive digital canvas delivering pixel-free viewing. This 84 inch (213 cm) Ultra High Definition (UHD) screen is perfectly suited for reference applications and meeting groups up to 10 people where intense detail and colour accuracy is demanded. The 3840 x 2160 resolution facilitates both distance and proximity viewing with precise colour fidelity regardless of the viewing angle for a reality-like visual experience. Designed for 24/7 operation and offering high usage flexibility thanks to its wide connectivity, this screen provides future-proof investment security.

This state-of-the-art technology is ideal for any heavy duty applications including professional conferencing, life-size retail signage, control room, medical review as well as CAD/CAM and creative multimedia design.

Benefits

Stunning "pixel-free" ergonomic viewing – delivered by an Ultra High Definition (3,840 x 2,160) Professional LED backlit S-IPS panel.

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.

Reliable colour reproduction – due to 10-bit colour performance, extreme viewing angles and hardware calibratable LUT, viewers benefit from consistently accurate image rendering.

Mission-critical 24/7 ready operation – with reliable, industry grade components and NEC trusted performance.

Wide array of flexible application scenarios – thanks to multi-source conferencing and efficient split-screen operation supported by a wide future-ready range of digital connectivity.

Future Ready with OPS Cable Free Expansion – upgrade the power of your display at any time while seamlessly integrating one of our various Slot-in PCs, signal interfaces and other OPS compatible products without the need for external cables or devices.

Perfectly Scaled – lower resolution content (e.g. FullHD) can be upscaled to UHD resolution via a bi-cubic 4x4 pixel interpolation algorithm in order to achieve smooth colours and clear edges.

Free Download of Multi-Display Management Software – with NaViSet Administrator 2 you can manage all your connected display devices from a centralised location.

Product Information

Product Name	MultiSync® X841UHD-2
Product Group	LCD 84" Ultra-High Definition Large Format Display
Order Code	60004105

Display

Panel Technology	S-IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	1,860 x 1,046
Screen Size [inch/cm]	84 / 214
Brightness [cd/m²]	500, 300 Eco (shipment setting)
Contrast Ratio (typ.)	1400:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	12 (grey-to-grey)
Haze Level [%]	10
Supported Orientation	Face Up; Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	28 - 134
Vertical Frequency [Hz]	23 - 85

Resolution

Native Resolution	3840 x 2160 at 60 Hz
Supported on DisplayPort and HDMI	3840 x 2160 (24/30 Hz); 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; 480p (60 Hz)
Supported on DisplayPort only	3840 x 2160 (60 Hz)
Supported on HDMI only	4096 x 2160 (24 Hz); 3840 x 2160 (25 Hz); 1360 x 768; 576i (50 Hz); 480i (60 Hz)

Connectivity

Input Video Digital	1 x DisplayPort (with HDCP); 2 x DVI-D (with HDCP); 4 x HDMI (with HDCP)
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	1 x HDMI; DisplayPort
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Output Control	LAN 100Mbit
Remote Control	LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input

Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)
Inrush Current [A]	max. 10
Power Consumption [W]	max. 61
Voltage / Current [V/A]	16/4

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 [W]	330 Eco (shipment setting), 500

Power Savings Mode [W]	< 0.5; < 0.5 (ECO 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: 1.931 x 1.117 x 85
Weight [kg]	Without stand: 70.5
Bezel Width [mm]	32.6; 32.6 bottom/right; 32.6 top/left
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8
Ingress Protection	IP40 (front); IP20 (back)

Additional Features

Special Characteristics	Carbon footprint meter; DICOM support; NaViSet Administrator 2
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	C-tick; CE; FCC Class B; PSB; RoHS; TÜV GS; UL/C-UL or CSA; VCCI
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	CD-ROM (User Guides/Manuals); Display; DisplayPort Cable; Power Cable; Remote Control
Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension
Operating Hours	24/7

Available Options

Accessories	Feet (ST-801); Speaker (SP-RM1); Trolley (PDMHA); Wall mount (PDW T XL)
OPS Slot	HD-SDI 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C HDMI + DP Interface; OPS-2C Quad 3G SDI

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 482 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor
Ecological Materials	Manuals on CD; Optional feet

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