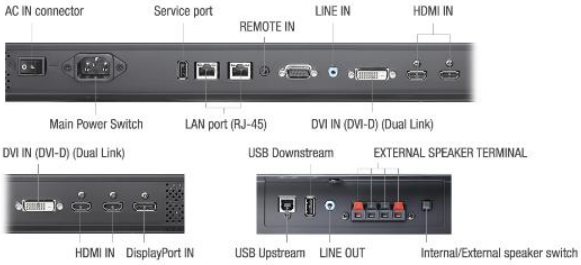
\Orchestrating a brighter world

MultiSync® X841UHD-2 PG (Protective Glass)

LCD 84" Protective Glass Large Format Display

Datasheet



Professional Protection for an unmatched richness of detail

The NEC MultiSync® X841UHD-2 PG combines professional protection of your investment with a new era of visual experience on an expansive digital canvas delivering pixel-free viewing.

This 84 inch (214 cm) Ultra High Definition (UHD) screen supports both long distance and proximity viewing making it perfectly suited for reference applications as well as for medium and long viewing distances of up to 30 meters where intense detail and colour accuracy is demanded. Guaranteed reliability even under the toughest conditions is achieved with the super robust 6mm thick protective glass designed to withstand external impacts. The anti-reflective surface provides crisp and clear images from different viewing angles and distances 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.

The enhanced durability makes this state-of-the-art technology the ideal signage solution in public spaces with high volumes of people in retail, transportation, hospitality and digital out of home as well as for demanding industrial applications.

Benefits

Stunning "pixel-free" ergonomic viewing – delivered by an Ultra High Definition (3,140 x 2,160) Professional LED backlit S-IPS panel.

Maximum investment security – assured as the display is protected against damage from external impacts such as knocks and blows.

Superb readability – supported through the use of anti-reflective and high light-transmission Conturan® protective glass from Schott.

Protects the public – the thermally toughened protective glass will disintegrate into small fragments reducing the risk of injury should it suffer extreme damage.

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 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.

Guarantees safe operation in public areas – thanks to the flame-retardant metal construction.

Product Information

Product Name	MultiSync® X841UHD-2 PG (Protective Glass)
Product Group	LCD 84" Protective Glass Large Format Display
Order Code	60004184

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)
Glass Type	Security Glass with anti-reflextion coating
Thickness [mm]	6
Light Transmission [%]	97
Response Time (typ.) [ms]	12 (grey-to-grey)
Haze Level [%]	10
Supported Orientation	Face Up; Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	50 - 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 (ECO Standby); < 2.5
Power Management	VESA DPMS

Environmental Conditions

Operating Temperature [°C]	+0 to +35
Operating Humidity [%]	20 to 80

Mechanical

Dimensions (W x H x D) [mm]	Without stand: 1.931 x 1.117 x 99
Weight [kg]	Without stand: 102
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, SP-TF1); Wall mount (PDW T XXL)
OPS Slot	HD-SDI 1.5G,3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs

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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