



NEC MultiSync® M321 PG-2

LCD 32" Protective Glass Large Format Display

Datasheet



Meticulously Powerful Signage with Professional Protection

The NEC MultiSync® M321 PG-2 combines professional protection of your investment with unparalleled display performance. Deliver your message with impact and seamless simplicity for the most convincing results.

Guaranteed reliability even under the toughest conditions is achieved with the super robust 4mm thick protective glass designed to withstand external impacts. The anti-reflective glass surface combined with brightness levels of 450 cd/m² provides crisp and clear images and readability from different viewing angles and distances.

The MultiSync® M321 PG-2 is the perfect choice for creating a big and durable impression in public spaces with high volumes of people such as for applications in transportation, retail, hospitality and digital out of home as well as for tough environments in industrial applications.

Benefits

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.

Mission-critical 24/7 ready operation – the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

Product Information

Product Name	NEC MultiSync® M321 PG-2
Product Group	LCD 32" Protective Glass Large Format Display
Order Code	60005605

Display

Panel Technology	IPS with Direct LED backlights
Screen Size [inch/cm]	32 / 80
Aspect Ratio	16:9
Brightness [cd/m²]	450
Contrast Ratio (typ.)	1100:1
Contrast Ratio	≥ 800:1 ¹
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Glass Type	Security Glass with anti-reflexion coating
Colour Depth [bn]	16.7 (8bit)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (28)
Supported Orientation	Landscape; Portrait

Glass

Type	GroGlass® Protective Glass; Premium toughened glass, anti-glare coating
Thickness [mm]	4
Light Transmission [%]	≥ 97
Reflection Rate [%]	1

Resolution

Native Resolution	1920 x 1080			
Supported Resolutions	1024 x 768;	1366 x 768;	1650 x 1050;	2560 x 1440;
	1280 x 1024;	1400 x 1050;	1920 x 1080;	2560 x 1600;
	1280 x 720;	1440 x 900;	1920 x 1200;	3840 x 2160;
	1360 x 768;	1600 x 1200;	1920 x 2160;	4096 x 2160

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 91.1
Vertical Frequency [Hz]	23 - 86

Connectivity

Input Video Analogue	1 x VGA
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Input Video Digital	1 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)
Input Audio Digital	1 x DisplayPort; 2 x HDMI
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Input Data	1 x USB 2.0 (MediaPlayer)
Output Audio Analogue	1 x 3,5 mm jack
Input Detect	Custom; First; Last

Sensors

Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
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Electrical

Power Consumption [W]	40 shipping
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)
Power Management	VESA DPMS
Power Supply	100-240 V AC; internal

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: 732.5 x 439.4 x 76.5
Weight [kg]	9.1
Bezel Width [mm]	14.4 (left and right); 18.4 (top); 23.8 (bottom)
VESA Mounting [mm]	100 x 100 (FDMI); 200 x 200 (FDMI); 4 holes; M4
Ingress Protection	IP5x (front); IP2x (back)
Packaging Dimensions (W x H x D) [mm]	870 x 527 x 160
Packaging Weight [kg]	13.2
Colour Bezel	Pantone 426M (black)
Material	Metal

MediaPlayer

Supported File Storage / File System	USB 2.0 / FAT16, FAT32
Supported Image Formats	JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640

Supported Audio Formats	MP3 (MP3); max. bit-rate 320 kBit/s
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Available Options

Accessories	Feet (ST-32M); Presence Sensor (KT-RC3); Wall mount (PDW T XS)
External Computing	MPi4 Box; OPS/SDM standalone adapter to integrate any OPS/SDM computing or interface module

Regulatory

Safety and Ergonomics	CE; EAC; RoHS
Resistance to Fire	Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency	Energy consumption: 41 kWh/1000 h; Energy efficiency class: G; LED backlight
Ecological Standards	EnergyStar 8.0

3rd Party Certifications

Crestron	Certified for Crestron Connected
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Additional Features

Special Characteristics	DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo
Audio	Integrated Speakers (5 W + 5 W)
Shipping Content	2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual
Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension ²
Operating Hours	24/7
External Control	AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP
Remote Management	Automated Email Alerts; NEC NaViSet Administrator 2
Security	Disable HW Buttons; Disable IR Functionality; Emergency Notification

¹ out of the box conditions, local dimming ON

² please refer to terms and conditions of warranty extensions



RoHS



CE

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