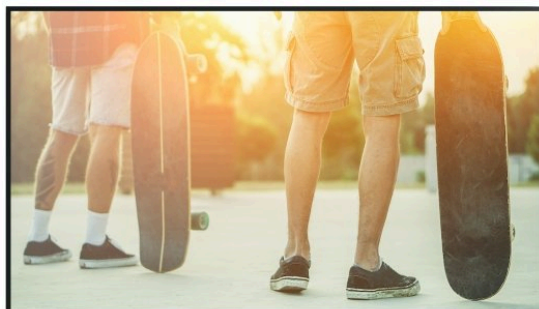


LCD 43" Protective Glass Large Format Display

NEC MultiSync® M431 PG



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.

Specifications

Product Information

Product Name

NEC MultiSync® M431 PG

Product Group

LCD 43" Protective Glass Large Format Display

Order Code

60005099

Display

Panel Technology

IPS with Edge LED backlights

Screen Size [inch/cm]

43 / 108

Aspect Ratio

16:9

Brightness [cd/m²]

500

Contrast Ratio

≥ 8000:1 ¹

Viewing Angle [°]

178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]

1.076 (10bit)

Response Time (typ.) [ms]

8

Panel Refresh Rate [Hz]

60

Haze Level [%]

Pro (28)

Supported Orientation

Landscape; Portrait

Protective Glass

Type

Premium toughened glass, anti-glare coating; Schott Conturan Protective Glass

Thickness [mm]

4

Light Transmission [%]

≥ 97

Reflection Rate [%]

1

Impact Resistance

withstands impacts of up to 7.5J (higher than IK08)

Resolution

Native Resolution

3840 x 2160

Supported Resolutions

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

Synchronisation Rate

Horizontal Frequency [kHz]

26 - 91.1

Vertical Frequency [Hz]

23 - 86

Connectivity

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

Open Modular Intelligence

Intel® SDM

accepts Intel® Smart Display Modules Large and Small up to 45 W

Compute Module Slot

RPi Compute Module 4

Sensors

Ambient Light Sensor

Integrated, triggered actions programmable

Temperature Sensor

Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]

80 shipping

Power Savings Mode [W]

< 0.5; < 2 (Networked Standby)

Power Management

VESA DPMS

Power Supply

100-240 V AC; 50/60 Hz; 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]

987.4 x 569 x 75.9

Weight [kg]

25.6

Bezel Width [mm]

15 (top); 19.6 (bottom); 20.6 (left/right)

VESA Mounting [mm]

300 x 300 (FDMI); 4 holes; M6

Ingress Protection

IP5x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]

1,120 x 700 x 203

Packaging Weight [kg]

31.1

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 Video Formats

MPG (MPEG1/2/4, max res 1080p@30Hz); MP4 (MPEG2/4, H.263, H.264, HEVC/H.265, max res 3840x2160@60Hz); TS (MPEG2, H.264, HEVC/H.265, max res 3840x2160@60Hz); audio: LPCM, MP3, AAC; WMV (video H.264, Windows Media Video 9, max res 1080p@30Hz, audio WMA 9, WMA 10 Pro)

Supported Audio Formats

MP3 (MP3); max. bit-rate 320 kBit/s

Available Options

Accessories

Feet (ST-43M); Presence Sensor (KT-RC3); Soundbar (active: SP-ASCM-IQ2 / SP-ASCM-2); Speaker (SP-RM3a); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-65 L, PDW S 32-65 P)

Regulatory

Safety and Ergonomics

BSMI; CE; EAC; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI

Pixel Failure Class

ISO 9241-307, Class 1

Resistance to Fire

Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency

Energy Consumption: 68 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

Ecological Standards

EnergyStar 8.0

Additional Features

Special Characteristics

DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo

Audio

Integrated Speakers (10 W + 10 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; 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



FCC Class B



CE



RCM



VCCI

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