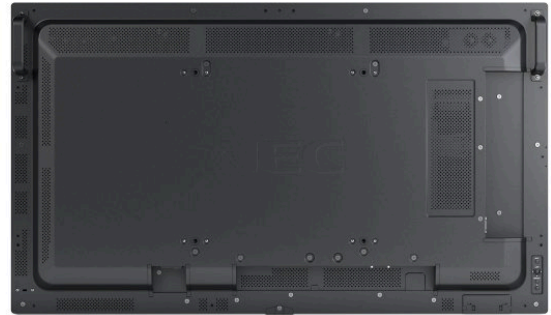


LCD 43" Professional Large Format Display

NEC MultiSync® P435



When imaging precision cannot be compromised

When imaging precision and 24/7 operational reliability cannot be compromised, the 5th generation of NEC MultiSync® P series presents best-in-class performance with an advanced feature set for mission-critical applications

Unparalleled clarity of detail and colour accuracy is achieved with 8K signal processing, wide colour gamut and the integrated NEC SpectraView® engine controlling all visual parameters. Even in bright ambient light conditions, high brightness levels of 700 cd/m² combined with a high haze filter guarantees exceptional readability with no annoying reflections. Despite its slim, elegant profile, the quality build is robust for use in public spaces, with an all-metal chassis for fire-retardancy. Featuring NEC Open Modular Intelligence (OMI) slot-in technology, choose scalable computing power with Raspberry Pi Compute Module 4 or the more powerful Intel® Smart Display Modules (Intel®SDM) for tailor-made signage solutions.

For best visualisation in control rooms and production lines, for passenger information and wayfinding signage; the NEC P Series is trusted for safety and long-life, fit-for-purpose performance.

Benefits

- **Secure remote management** – control your devices remotely and securely using NEC NaviSet Administrator 2; proactively manage maintenance requirements saving time and resources
- **Unhindered readability** – no reflections from windows or other light sources means no disruption to the visibility of signage content or meeting room presentation
- **Safe for public environments** – a metal back cover and intelligent heat management ensure safe use in public spaces where fire-retardancy is mandatory
- **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.
- **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® P435

Product Group

LCD 43" Professional Large Format Display

Order Code

60005141

Display

Panel Technology

IPS with Edge LED backlights

Screen Size [inch/cm]

43 / 108

Aspect Ratio

16:9

Brightness [cd/m²]

700

Contrast Ratio

≥ 8000:1¹

Viewing Angle [°]

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

Colour Depth [bn]

1.073 (10bit)

Colour Gamut

86% of DCI

Response Time (typ.) [ms]

8

Panel Refresh Rate [Hz]

60

Haze Level [%]

Pro (28)

Supported Orientation

Face Down; Face Up²; Landscape; Portrait

Resolution

Native Resolution

3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1600;
1280 x 1024;	1600 x 1200;	3840 x 2160;
1280 x 720;	1920 x 1080;	4096 x 2160;
1360 x 768;	1920 x 2160;	7680 x 4320
1400 x 1050;	2560 x 1440;	

Synchronisation Rate

Horizontal Frequency [kHz]

15 - 135

Vertical Frequency [Hz]

23 - 76

Connectivity

Input Video Digital

2 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 (Downstream); 1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream)

Output Video Digital

1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC); 1 x HDMI (loop through: HDMI, SDM slot-in PC)

Output Audio Analogue

1 x 3,5 mm jack

Output Control

1 x LAN 100Mbit

Input Detect

Custom; First; Last

PiP/PbP

Dual-Split; Quad-Split; scalable picture size

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; White Point

Calibration Software

Display Wall Calibrator

Open Modular Intelligence

Intel® SDM

accepts Intel® Smart Display Modules Large and Small up to 66 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]

90 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]

968.2 x 561 x 67.1

Weight [kg]

18.5

Bezel Width [mm]

11 (left, right and top); 15.6 (bottom)

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]

23

Colour Bezel

Pantone 426M (black)

Material

Metal

Available Options

Accessories

Feet (ST-43M); Presence Sensor (KT-RC3); Soundbar (passive: SP-PSCM-IQ); Speaker (SP-RM3); 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: 87 kWh/1000 h; Energy efficiency class: G; LED backlight

Ecological Standards

EnergyStar 8.0

3rd Party Certifications

Cisco

Verified for Cisco Collaboration Devices

Crestron

Certified for Crestron Connected

Additional Features

Special Characteristics

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

Audio

Integrated Audio Amplifier (for optional speakers up to 2 x 15 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 extension³

Operating Hours

24/7

External Control

AMX NetLinx Support; ASCII Control Commands; Crestron
Connected; HDMI CEC; HTTP Browser; PLink; 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 adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

³ please refer to terms and conditions of warranty extensions



RoHS



VCCI



CE



RCM



FCC Class B

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