

Indoor LED 0.95 mm 165" UHD Bundle

NEC LED-FE009i2-165



Enhanced detail and realism

Adding a super-fine pixel pitch option to the FE Series, NEC's LED FE009i2 modules and bundles offer excellent visual performance and high information density. Configure an ultra-high-resolution canvas at a screen size of just 165", ideal for meeting rooms and signage applications, even where viewing distances are short.

By using an innovative 4-in-1 IMD diode design, reality-like image presentation at high resolution and detail can be achieved without interruption from bezels or gaps, delivering excellent viewing angles, consistent vibrant colours and superb brightness.

NEC's FE Series provides long-lasting NEC quality with industrial-grade power supplies in easy to install, off the shelf bundle solutions for safe operation and minimal downtimes.

Benefits

Care-free installation – with bundled solutions that deliver all you need to get your LED video wall up and running.

Large scale for perfectly detailed imagery – completely bezel-less design with high contrast rates deliver an unhindered viewing experience.

Slim design – with a flush rear profile, LED modules can be integrated very close to the wall with minimal gap necessary due to very low heat emission.

Front serviceable modules – with front access to the LED modules, maintenance is easy.

Visual excellence – high contrast and high brightness is inherent in LED delivery, benefit from NEC's long lasting quality.

Specifications

Product Information

Product Name

NEC LED-FE009i2-165

Product Group

Indoor LED 0.95 mm 165" UHD Bundle

Order Code

81000112

Display

Pixel Configuration

4-in-1 IMD (Black)

LED type

IMD (1616)

Screen Size [inch/cm]

165 / 419

Aspect Ratio

16:9

Pixel Pitch [mm]

0.95

Brightness (max.) [cd/m²]

600

Lifetime

100000 hrs (50% brightness)

Contrast Ratio (typ.)

5000:1

Viewing Angle [°]

140 horizontal / 140 vertical

Dimming Capability

256 levels

Colour Processing

16 bit

Colours [Trill.]

281

LED Driving Method

1/46 dynamic scan

Frame Rate [Hz]

50/60

Refresh Rate [Hz]

≤ 3840

Colour Temperature [K]

3000 - 9500

Screen Resolution

Resolution

3840 x 2160

Resolution per m²

1108033

Number of Pixel per module [dot]

640 x 360

Number of Pixel per card [dot]

160 x 180

Connectivity

Input Video Digital

1 x 3G SDI; 1 x DVI-D; 1 x HDMI

Input Control

1 x GenLock; 1 x LAN

Electrical

Total Power Consumption [W]

2880 typ. / 5400 max.

Power Consumption typ. [W]

380 per m² (normal use)

Power Consumption max. [W]

720 per m²

Power Consumption typ. [BTU]

1292 per m² (normal use)

Power Consumption max. [BTU]

2448 per m²

Environmental Conditions

Operating Temperature [°C]

-20 to 40

Operating Humidity [%]

10 to 80

Mechanical

Dimensions (W x H x D) [mm] per module

608 x 342 x 49

Dimensions (W x H x D) [mm]

3,688 x 2,173.5 x 82

Weight [kg]

390.8

Additional Features

Shipping Content

2x LED Controller; LED Modules (36 Cabinets, 288 Pixel Cards);
Overframe Kit (6x6); Pixel Card Removal Tool; Powerbar
(depending on version); Spare Parts Kit; Wall mount (6x6)

Special Characteristics

Cableless Connector for Data and Power; Flush Surface SMD
Design; Humidity-proof SMD Design; Single Data Receiving Cards;
Single Power Supplies

Manufacturer

NEC

Serviceability

Front Service

IP Level

IP20

Certifications

CE; ETL; FCC Class A; RoHS

Warranty

3 years

Material

Aluminum Cabinet

* 165 inch



CE



FCC Class A



RoHS

This document is © 2026 Sharp Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 25.05.2026