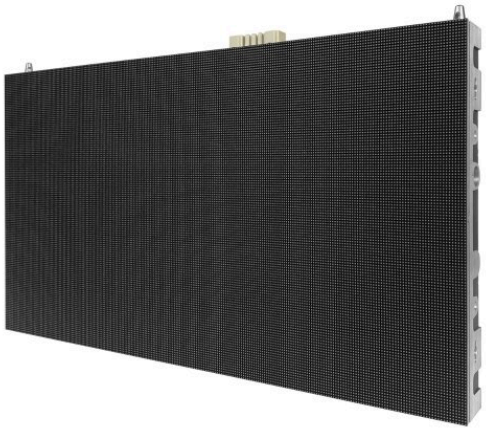
SHARP / NEC

NEC LED-FE009i2 /-B

0.9 mm Indoor FinePitch LED Module

Datasheet





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

Ultimate Versatility – small 16:9 modules allowing excellent flexibility within the available space.

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

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.

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

Product Information

Product Name	NEC LED-FE009i2 /-B
Product Group	0.9 mm Indoor FinePitch LED Module
Order Code	81000139 LED-FE009i2, 81000140 LED-FE009i2-B

Display

Pixel Configuration	4-in-1 IMD (Black)
LED type	IMD (1616)
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 per m²	1108033
Number of Pixel per module [dot]	640 x 360
Number of Pixel per card [dot]	160 x 180

Electrical

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
Weight [kg]	8.8

Additional Features

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

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