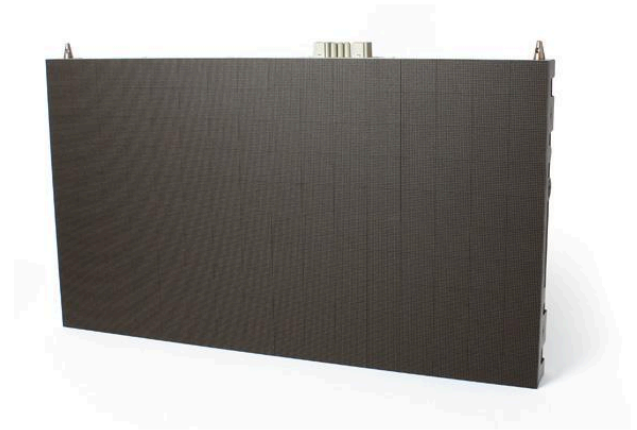
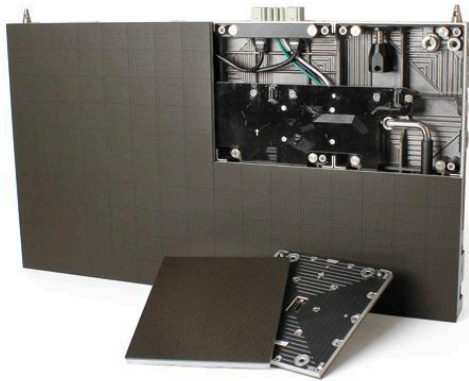


LED-FE009i2

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.

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.

Superb readability in bright light environments - high brightness levels of up to 800 cd/m², along with wide viewing angles deliver clear messages to your audience even under varying and demanding ambient conditions.

Product Information

Product Name	LED-FE009i2
Product Group	0.9 mm Indoor FinePitch LED Module
Order Code	80000351

Display

Pixel Configuration	4-in-1 IMD (Black)
LED type	SMD (1616)
Pixel Pitch [mm]	0.95
Brightness (max.) [cd/m ²]	600
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	140 horizontal / 140 vertical
Dimming Capability	256 levels
Colour Processing	15 bit
Colours	35 trillion
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 m ²	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 m ² (normal use)
Power Consumption max. [W]	720 per m ²

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 50
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	CCC; CE; ETL; FCC Class A; RoHS
Warranty	2 years

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