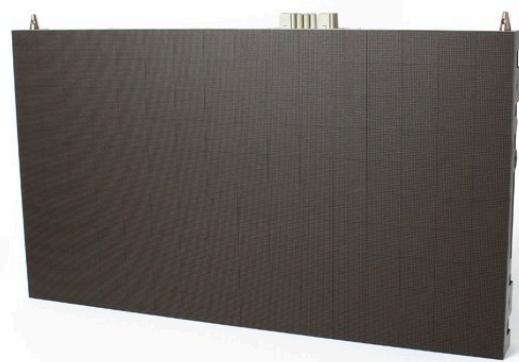
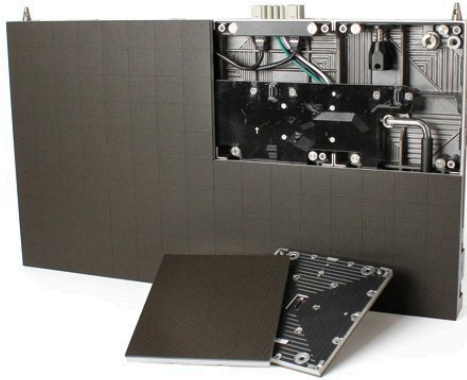


NEC LED-FA009i2

0.9 mm Indoor FinePitch LED Module

Datasheet



Extreme visual performance

Delivering extreme levels of visual performance where the finest detail matters the most; NEC's 0.9mm super-fine pixel pitch LED FA009i2 modules and bundles offer a premium solution for boardrooms, control rooms, luxury retail environments and simulation.

The super-fine pixel pitch enables configuration of an ultra-high-resolution canvas at a screen size of just 165" for demanding application scenarios where the viewing distance is short and the content requires highly detailed scrutiny.

With an innovative 4-in-1 IMD diode design, reality-like image presentation can be achieved without interruption from bezels or gaps, delivering excellent viewing angles, consistent vibrant colours and superb brightness. Designed with industry-grade quality and redundancy for key components, the FA Series provides a display solution with longevity and unmatched reliability.

Benefits

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

Secure performance for demanding applications - with high-end components and redundant module design with additional power supply and data cards to ensure ongoing operations with a minimal loss of brightness levels.

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-FA009i2
Product Group	0.9 mm Indoor FinePitch LED Module
Order Code	LED-FA009i2

Display

Pixel Configuration	4-in-1 IMD (Black)
LED type	IMD (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	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 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 49
Weight [kg]	8.8

Additional Features

Special Characteristics	Cableless Connector for Data and Power; Flush Surface SMD Design; Humidity-proof SMD Design; Redundant Data Receiving Cards; Redundant Power Supplies
Manufacturer	NEC
Serviceability	Front Service
IP Level	IP20
Certifications	CE; ETL; FCC Class A; RoHS; RCM
Warranty	3 years warranty

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