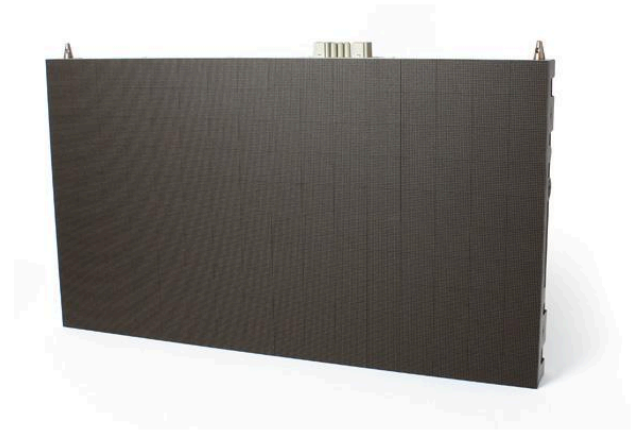
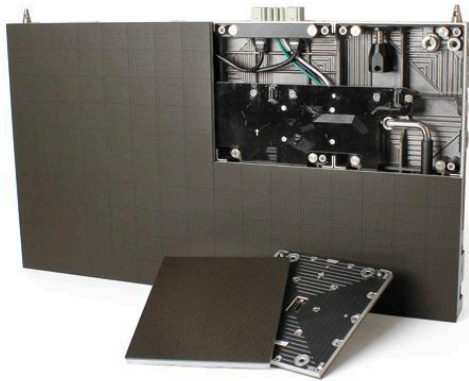


## LED-FA009i2

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.

**Superb readability in bright light environments** – high brightness levels of up to 800 cd/m<sup>2</sup>, along with wide viewing angles deliver clear messages to your audience even under varying and demanding ambient conditions.

## Product Information

Product Name	LED-FA009i2
Product Group	0.9 mm Indoor FinePitch LED Module
Order Code	80000290

## Display

Pixel Configuration	4-in-1 IMD (Black)
LED type	SMD (1616)
Pixel Pitch [mm]	0.95
Brightness (max.) [cd/m <sup>2</sup> ]	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 <sup>2</sup>	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 <sup>2</sup> (normal use)
Power Consumption max. [W]	720 per m <sup>2</sup>

## 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; Redundant Data Receiving Cards; Redundant 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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