

NEC LED-FA038i2  
3.8 mm Indoor FinePitch LED Module

## Datasheet



### **Nothing less than magnificent**

For premium large surface visualization, NEC's fine pitch LED FA series modules provide standard resolution, direct view LED screens for applications in meeting spaces and exclusive signage. With a depth of just 5 cm, plus complete internal cabling, the FA series presents a sleek profile for a bezel-free viewing experience. With excellent viewing angles, consistent vibrant colours and superb brightness; the FA series delivers content that gets noticed. Designed with high quality components and maintenance access from the front, the FA series provides a display solution with longevity and good return on investment. The prime solution for boardrooms, auditoria, luxury retail environments and control rooms.

### **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-FA038i2
Product Group	3.8 mm Indoor FinePitch LED Module
Order Code	81000137

## Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1515)
Pixel Pitch [mm]	3.8
Brightness (max.) [cd/m <sup>2</sup> ]	1200
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	7000:1
Viewing Angle [°]	160 horizontal / 160 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281
LED Driving Method	1/15 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

## Screen Resolution

Resolution per m <sup>2</sup>	69252
Number of Pixel per module [dot]	160 x 90
Number of Pixel per card [dot]	40 x 45

## Electrical

Power Consumption typ. [W]	225 per m <sup>2</sup> (normal use)
Power Consumption max. [W]	575 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 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
Warranty	3 years

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