Preliminary Datasheet

0.9 mm Indoor FinePitch LED Module

NEC LED-FC009i-R

Benefits

Excellent contrast ratio of up to 20000:1 and deep black level – ensures content is presented in vivid clarity for the best possible viewing experience.

Significantly lowering your energy usage – CoB technology is highly efficient, consuming up to 40% less power compared to standard SMD technology at the same brightness output.

Established mechanical cabinet design – supports wall mounted or freestanding installation with speed and ease, achieving precision module alignment for a single large surface perception.

Secure investment in high-end dvLED visualisations – CoB technology enables installations to be more robust and long lasting.

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.

Specifications

Product Information

Product Name
NEC LED-FC009i-R

Product Group
0.9 mm Indoor FinePitch LED Module

Display

LED type
COB (0408)

Pixel Pitch [mm]
0.9

Contrast Ratio (typ.)
20000:1

Viewing Angle [°]
160 horizontal / 150 vertical

Brightness (max.) [cd/m²]
800

Dimming Capability
256 levels

Lifetime
100000 hrs (50% brightness)

Colour Processing
16 bit

Colours [Trill.]
281

LED Driving Method
1/36 dynamic scan

Frame Rate [Hz]
50/60

Refresh Rate [Hz]
≤ 3840

Colour Temperature [K]
3000 - 9500

Screen Resolution

Number of Pixel per m²
1108033

Resolution of Pixel per module [dot]
640 x 360

Resolution of Pixel Card [px]
160 x 180

Electrical

Power Consumption typ. [W]
135 per m² (normal use)

Power Consumption max. [W]
289 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 48.5

Weight [kg]
7

Regulatory

Safety and Ergonomics
CE; ETL; FCC Class A; RoHS

Additional Features

Special Characteristics
Redundant Data Receiving Cards; Redundant Power Supplies

Manufacturer
NEC

Serviceability
Front Service

IP Level
IP20; IP40

Warranty
3 years

Material
Aluminum Cabinet

RoHS

FCC Class A

CE

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