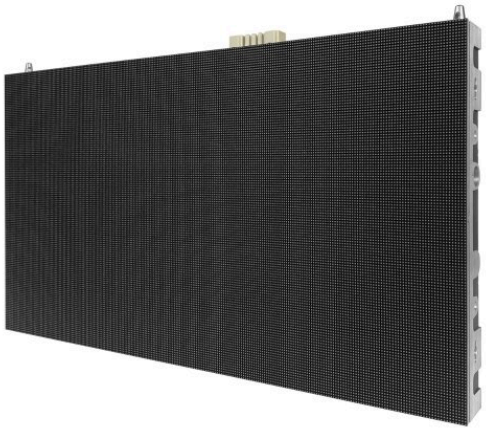
SHARP / NEC

NEC LED-FE031i2

3.1 mm Indoor FinePitch LED Module

Datasheet





Essential modules of brilliance

For bezel-free viewing experiences using vivid LED technology, NEC’s FE Series delivers essential visualization for scalable large digital surfaces. Even for cost-conscious deployments for presentation and signage, 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 with minimised downtimes.

Either free standing or for seamless integration into interiors, the slim design is sleek and chic as befits the latest innovation in digital content delivery. Benefit from excellent viewing angles, consistent vibrant colours, superb brightness and long lasting performance for meeting rooms and signage applications.

Benefits

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

Front serviceable modules – with front access to the LED modules, maintenance is easy.

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-FE031i2
Product Group	3.1 mm Indoor FinePitch LED Module
Order Code	81000149

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1415)
Pixel Pitch [mm]	3.1
Brightness (max.) [cd/m²]	1000
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	160 horizontal / 140 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281
LED Driving Method	1/27 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution per m²	99723
Number of Pixel per module [dot]	192 x 108
Number of Pixel per card [dot]	48 x 54

Electrical

Power Consumption typ. [W]	225 per m² (normal use)
Power Consumption max. [W]	575 per m²
Power Consumption typ. [BTU]	765 per m² (normal use)
Power Consumption max. [BTU]	1955 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 49
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	CE; ETL; FCC Class A; RoHS
Warranty	3 years
Material	Aluminum Cabinet

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