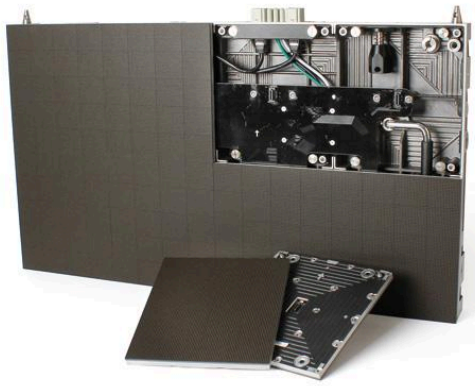
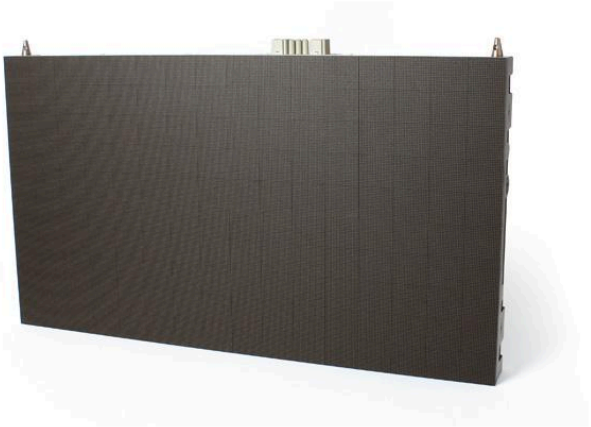
SHARP / NEC

LED-FA012i2

1.2 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.

Superb readability in bright light environments – high brightness levels of up to 800 cd/m², along with wide viewing angles deliver clear messages to your audience even under varying and demanding ambient conditions.

Product Information

Product Name	LED-FA012i2
Product Group	1.2 mm Indoor FinePitch LED Module
Order Code	80000017

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1010)
Pixel Pitch [mm]	1.266
Brightness (max.) [cd/m²]	800
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	170 horizontal / 170 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours	281 trillion
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	623269
Number of Pixel per module [dot]	480 x 270
Number of Pixel per card [dot]	120 x 135

Electrical

Power Consumption typ. [W]	280 per m² (normal use)
Power Consumption max. [W]	625 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 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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