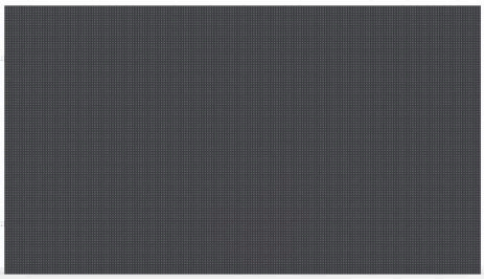
SHARP / NEC

NEC LED-E012i

1.2 mm Indoor FinePitch LED Module

Datasheet





Large Image Presentation, Budget Preservation

Bringing all the advantages of fine-pitch LED to more cost-conscious applications in corporate meeting rooms and digital signage, the E series lacks nothing in high impact content delivery. The direct view LED solution includes everything you need to implement large surface visualisation without hindrance from bezels, with superb brightness and high contrast which gets noticed even in areas of high ambient light.

Designed for quick and easy set-up, the product is light weight and super slim for unobtrusive integration. Front serviceable, all components are easily accessed for maintenance.

As you would expect from a quality manufacturer, there is no compromise to reliability, longevity and safety in offering the E series solution. Consistent with all LED products from Sharp/NEC, the chassis is of metal construction.

Benefits

Low-profile integration – the super slim and light weight modules align with perfection to create a large digital canvas which integrates unobtrusively into any environment.

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

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.

Trouble-free installation – for wall mounted or freestanding deployments, the mechanical cabinet design makes installation quick and easy.

Product Information

Product Name	NEC LED-E012i
Product Group	1.2 mm Indoor FinePitch LED Module
Order Code	81000220

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1010)
Screen Size [inch/cm]	108 / 274
Aspect Ratio	16:9
Pixel Pitch [mm]	1.2
Brightness (max.) [cd/m²]	600
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	170 horizontal / 160 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281
LED Driving Method	1/45 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution per m²	640000
Number of Pixel per module [dot]	480 x 270
Number of Pixel per card [dot]	120 x 270

Electrical

Total Power Consumption [W]	944 typ. / 2000 max.
Power Consumption typ. [W]	291 per m² (normal use)
Power Consumption max. [W]	617 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	600 x 337.5 x 29
Weight [kg]	4.7

Additional Features

Shipping Content	LED Modules (1 Cabinets, 4 Pixel Cards)
Special Characteristics	Flush Surface 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	2 years
Material	Aluminum Cabinet

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