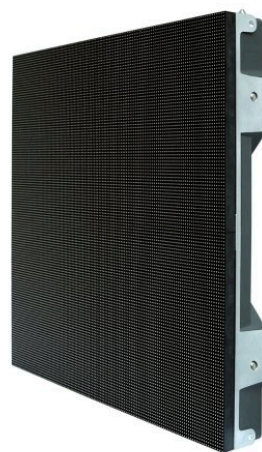
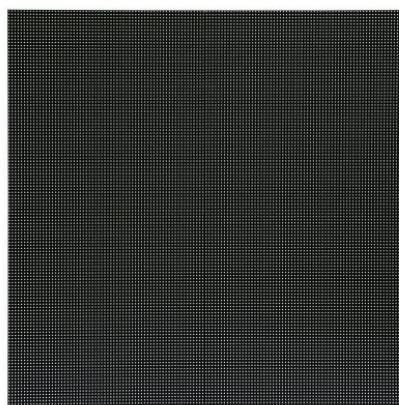


2.8 mm Indoor Square LED Modules

NEC LED-Q028i2



Exceptional visual brilliance

When it comes to exceptional first impressions, there is no room for compromise. The NEC Q Series indoor LED modules generate an extraordinary visual experience with a seamless digital surface which awards a superior level of performance and versatility.

Each square-shaped module, light in weight and just 70mm in depth, is equipped with a sophisticated mechanical structure enabling quick and easy mounting to configure a precisely aligned bespoke canvas, perceived as a single homogeneous digital surface. Using special black-face LED lamps, the Q Series achieves ultra-high contrast levels resulting in excellent visual presentation, perfectly readable regardless of the ambient conditions.

The selection of professional-grade electronic components, high build quality and robust, heat resistant metal chassis, ensures reliable, consistent imaging quality over an extended life-time.

Designed for demanding applications in Transportation, Retail, Entertainment and Hospitality, the NEC Q Series delivers uncompromising quality and exceptional visual brilliance.

Benefits

Quality product – designed and tested in Germany, Direct View LED product of the highest quality.

Large scale for perfectly detailed imagery – completely bezel-less design with high contrast rates deliver an unhindered viewing experience.

Versatile and scalable – 1:1 module aspect ratio allows versatile and customized use of the given space in a wide range of application scenarios.

Great contrast and readability – due to industry leading LED lamps and masks to provide unrivalled contrast ratios up to 7000:1 to ensure readability even under demanding ambient conditions.

Superb readability in bright light environments – high brightness levels of up to 1,200 cd/m², along with wide viewing angles deliver clear messages to your audience even under varying and demanding ambient conditions.

Specifications

Product Information

Product Name
NEC LED-Q028i2

Product Group
2.8 mm Indoor Square LED Modules

Order Code
L50Q028i2

Display

Pixel Configuration
3-in-1 SMD (Black)

LED type
SMD (2121)

Pixel Pitch [mm]
2.8

Contrast Ratio (typ.)
7000:1

Viewing Angle [°]
160 horizontal / 150 vertical

Brightness (max.) [cd/m²]
1200

Dimming Capability
256 levels

Lifetime
100000 hrs (50% brightness)

Colour Processing
16 bit

Colours [Trill.]
281 trillion

LED Driving Method
1/22 dynamic scan

Refresh Rate [Hz]
≤ 3840

Colour Temperature [K]
3000 - 9500

Screen Resolution

Number of Pixel per m²
123904

Resolution of Pixel per module [dot]
176 x 176

Resolution of Pixel Card [px]
88 x 88

Electrical

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

Power Consumption max. [W]
480 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
500 x 500 x 70

Weight [kg]
8.3

Regulatory

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

Additional Features

Manufacturer
NEC

Serviceability
front Service; rear accessibility

IP Level
IP20

Warranty
2 years



FCC Class A



RoHS



CE

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