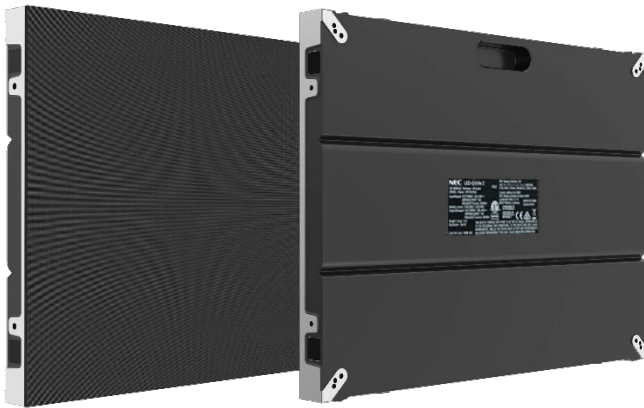


Product Information Sheet  
Indoor LED 1.86 mm Black Face LED Panel

# LED-N-018



## Quality, Performance and Service

For bezel-free viewing experiences using vivid LED technology, NEC's LED Solution delivers essential visualization for scalable large digital surfaces. Even for cost-conscious deployments for presentation and signage, NEC's LED Solution provides long lasting NEC quality with industrial-grade power supplies in easy to install.

The ultra-lightweight die-cast chassis allows for accurate and seamless installation and rapid maintenance from the front. 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 high impact display projects.

### Benefits

**Care-free installation** – with bundled solutions that deliver all you need to get your LED video wall up and running.

**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 no gap necessary due to minimal heat emission.

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

**Visual excellence** – high contrast and high brightness is inherent in LED delivery, benefit from NEC's long lasting quality.

## Product information

Product Name	LED-N-018
Product Group	Indoor LED 1.86 mm LED panel

## Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1515)
Panel Size [mm]	640x480
Aspect Ratio	3:2
Pixel Pitch [mm]	1.86
Brightness (max.) [cd/m²]	800

Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	140 horizontal / 140 vertical
Dimming Capability	256 levels
Colour Processing	14 bit
Colours	4.4 trillion
LED Driving Method	1/30 dynamic scan
Frame Rate	50/60 Hz
Refresh Rate [Hz]	< 3840
Colour Temperature [K]	2500 - 1000

## Screen Resolution

Resolution	344 x 258
Resolution per m²	289,050
Number of Pixel per module [dot]	172 x 86
Number of Pixel per card [dot]	14,792

## Connectivity

Input Video Digital	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D
Input Control	Gigabit Ethernet

## Electrical

Total Power Consumption [W]	55 typ. / 178 max.
Power Consumption typ. [W]	180 per m² (normal use)
Power Consumption max. [W]	580 per m²

## Environmental Conditions

Operating Temperature [°C]	-10 to 50
Operating Humidity [%]	10 to 90

**Mechanical**

Dimensions (W x H x D) [mm]	640 x 480 x 74
Dimensions (W x H x D) [mm] per module	320 x 160 x 17 or 160 x 160 x 17

Weight [kg]	6.8
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**Additional Features**

Shipping Content	LED Controller; LED Modules; Pixel Card Removal Tool; Spare Parts Kit
Manufacturer	NEC
Serviceability	Front Service
IP Level	IP45
Certifications	CCC; CE; ETL; FCC Class A; RoHS ;RCM
Warranty	3 years conditional warranty

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