

Product Information Sheet
Indoor LED 1.89 mm Black Face LED Panel

LED-PRO-N-018



Essential bundles of brilliance

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-PRO-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]	600x337.5
Aspect Ratio	16:9
Pixel Pitch [mm]	1.86
Brightness (max.) [cd/m ²]	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	320 × 180
Resolution per m ²	284,444
Number of Pixel per module [dot]	80 × 90
Number of Pixel per card [dot]	57,600

Connectivity

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

Electrical

Total Power Consumption [W]	75 typ. / 200 max.
Power Consumption typ. [W]	TBC per m ² (normal use)
Power Consumption max. [W]	TBC per m ²

Environmental Conditions

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

Mechanical

Dimensions (W x H x D) [mm]	600 x 337.5 x 58
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Dimensions (W x H x D) [mm] per module	150 x 168.75 x 8
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Weight [kg]	4.7
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Additional Features

Shipping Content	LED Controller; LED Modules; Pixel Card Removal Tool; Spare Parts Kit
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Manufacturer	NEC
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Serviceability	Front Service
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IP Level	IP40
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Certifications	CCC; CE; ETL; FCC Class A; RoHS;RCM
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Warranty	3 years conditional warranty
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