

Product Information Sheet  
Outdoor 10 mm LED Panel

# LED-PRO-E 100



## NEC Outdoor LED – Stunning Visibility in a bright world

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.

NEC's innovative PRO-E SMD series generates crisp, clear viewing without fading or distortion in any ambient light, whether it's day or night, bright or dark.

Benefit from excellent viewing angles, consistent vibrant colours, superb brightness and long lasting performance for high impact display projects.

### Benefits

**Care-free installation** – Low weight aluminium framed solution that reduces support structure loading for a more cost effective project.

**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 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 Code	LED-PRO-E 100
Product Group	Outdoor LED 10.0 mm LED panel

## Display

Pixel Configuration	3-in 1 SMD
LED type	SMD (3535)
Panel Size [mm]	960 × 960
Aspect Ratio	1:1
Pixel Pitch [mm]	10.0
Brightness (max.) [cd/m²]	5,500
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	140 horizontal / 120 vertical
Dimming Capability	256 levels
Colour Processing	14 bit
Colours	4.4 trillion
LED Driving Method	1/5 dynamic scan
Frame Rate	50/60 Hz
Refresh Rate [Hz]	< 3840
Colour Temperature [K]	2500 - 10000

## Screen Resolution

Resolution	96 × 96
Resolution per m²	10,000
Number of Pixel per module [dot]	32 × 32
Number of Pixel per card [dot]	1,024

## Connectivity

Input Video Digital	1 × HDMI 2.0; 1 × DP 1.2; 1 × DVI-D
Input Control	1 × GenLock; 1 × LAN; 1 × USB IN; 1 × USB OUT (Cascading)

## Electrical

Total Power Consumption [W]	240 typ. / 720 max.
Power Consumption typ. [W]	260 per m² (normal use)
Power Consumption max. [W]	780 per m²

## Environmental Conditions

Operating Temperature [°C]	-40 to 80
Operating Humidity [%]	10 to 80

## Mechanical

Dimensions (W × H × D) [mm]	960 × 960 × 108
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Dimensions (W × H × D) [mm] per module	320 × 320 × 42
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Weight [kg]	32
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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 & Rear Service
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IP Level	IP65/IP65
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Certifications	CCC; CE; FCC Class B; RoHS;RCM
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Warranty	3 years conditional warranty
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## For more information:

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