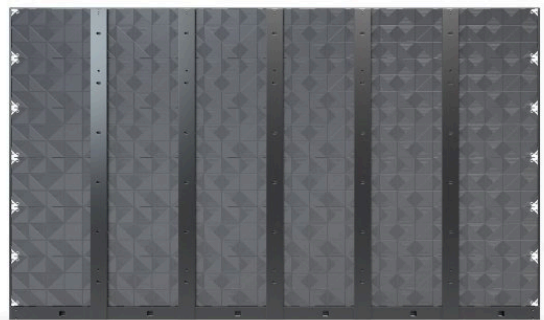# NEC LED-FC009i-165
Indoor LED 0.9 mm 165" UHD Bundle

Datasheet

Bundles for vibrant and colourful content visualisation

Displaying deep blacks and extreme contrast levels, content appears remarkably vivid for an immersive and engaging viewer experience even under demanding ambient conditions.

The direct VIew LED-FC series bundles use the latest flip-chip CoB technology to deliver stunning image performance with a state-of-the-art level of quality while increasing energy efficiency significantly to ensure reduced operating cost during its entire lifetime.

The durability, high contrast ratio, and brightness of the FC series make it a great fit for a wide range of demanding applications in transportation, museums, meeting space and many more.

Benefits

Excellent contrast ratio of up to 20000:1 and deep black level – ensures content is presented in vivid clarity for the best possible viewing experience.

Significantly lowering your energy usage – CoB technology is highly efficient, consuming up to 40% less power compared to standard SMD technology at the same brightness output.

Established mechanical cabinet design – supports wall mounted or freestanding installation with speed and ease, achieving precision module alignment for a single large surface perception.

Excellent visual performance – unseen colour reproduction with excellent off angle performance.

Secure investment in high-end dvLED visualisations – CoB technology enables installations to be more robust and long lasting.

Product Information

Product Name	NEC LED-FC009i-165
Product Group	Indoor LED 0.9 mm 165" UHD Bundle
Order Code	81000477

Display

LED type	COB (0408)
Screen Size [inch/cm]	165 / 419
Aspect Ratio	16:9
Pixel Pitch [mm]	0.9
Brightness (max.) [cd/m²]	800
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	20000:1
Viewing Angle [°]	160 horizontal / 150 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281
LED Driving Method	1/36 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution	3840 x 2160
Resolution per m²	1108033
Number of Pixel per module [dot]	640 x 360
Number of Pixel per card [dot]	160 x 180

Connectivity

Input Video Digital	1 x HDMI
Input Control	1 x GenLock; 1 x LAN

Electrical

Total Power Consumption [W]	1008 typ. / 2160 max.

Power Consumption typ. [W]	135 per m² (normal use)
Power Consumption max. [W]	289 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	608 x 342 x 48.5
Dimensions (W x H x D) [mm]	3,688 x 2,176.5 x 82
Weight [kg]	325

Additional Features

Shipping Content	1x LED Controller; LED Modules (36 Cabinets, 288 Pixel Cards); Overframe Kit (6x6); Pixel Card Removal Tool; Power Bar; Spare Parts Kit; Wall mount (6x6)
Special Characteristics	Single Data Receiving Cards; Single Power Supplies
Manufacturer	NEC
Serviceability	Front Service
IP Level	IP20; IP40
Certifications	CE; ETL; FCC Class A; RoHS
Warranty	3 years
Material	Aluminum Cabinet

* 165 inch