

LED-FE012i2-220

Indoor LED 1.266 mm 220" UHD Bundle

Datasheet



Essential bundles of brilliance

For bezel-free viewing experiences using vivid LED technology, NEC's FE Series delivers essential visualization for scalable large digital surfaces. Even for cost-conscious deployments for presentation and signage, NEC's FE Series provides long lasting NEC quality with industrial-grade power supplies in easy to install, off the shelf bundle solutions for safe operation with minimised downtimes.

Native HD, FHD and UHD resolutions are achieved through configuration of multiple 16:9 cabinets which are bundled with a power bar, framing, mounting and controller.

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 meeting rooms and signage applications.

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 minimal gap necessary due to very low 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 Name | LED-FE012i2-220 |
| Product Group | Indoor LED 1.266 mm 220" UHD Bundle |
| Order Code | 81000050 |

Display

| | |
|--|-------------------------------|
| Pixel Configuration | 3-in-1 SMD (Black) |
| LED type | SMD (1010) |
| Screen Size [inch/cm] | 220 / 559 |
| Aspect Ratio | 16:9 |
| Pixel Pitch [mm] | 1.266 |
| Brightness (max.) [cd/m ²] | 700 |
| Lifetime | 100000 hrs (50% brightness) |
| Contrast Ratio (typ.) | 4000:1 |
| Viewing Angle [°] | 160 horizontal / 160 vertical |
| Dimming Capability | 256 levels |
| Colour Processing | 16 bit |
| Colours | 281 trillion |
| LED Driving Method | 1/27 dynamic scan |
| Frame Rate [Hz] | 50/60 |
| Refresh Rate [Hz] | ≤ 3840 |
| Colour Temperature [K] | 3000 - 9500 |

Screen Resolution

| | |
|----------------------------------|-------------|
| Resolution | 3840 x 2160 |
| Resolution per m ² | 623269 |
| Number of Pixel per module [dot] | 480 x 270 |
| Number of Pixel per card [dot] | 120 x 135 |

Connectivity

| | |
|---------------------|---------------------------------|
| Input Video Digital | 1 x 3G SDI; 1 x DVI-D; 1 x HDMI |
| Input Control | 1 x GenLock; 1 x LAN |

Electrical

| | |
|-----------------------------|-------------------------------------|
| Total Power Consumption [W] | 3520 typ. / 8000 max. |
| Power Consumption typ. [W] | 275 per m ² (normal use) |
| Power Consumption max. [W] | 625 per m ² |

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 49 |
| Dimensions (W x H x D) [mm] | 4,904 x 2,857.5 x 82 |
| Weight [kg] | 660 |

Additional Features

| | |
|-------------------------|---|
| Shipping Content | 1x LED Controller; Overframe Kit (8x8); Pixel Card Removal Tool; Power Bar; Spare Parts Kit; Wall mount (8x8) |
| Special Characteristics | Cableless Connector for Data and Power; Flush Surface SMD Design; Humidity-proof SMD Design; Single Data Receiving Cards; Single Power Supplies |
| Manufacturer | NEC |
| Serviceability | Front Service |
| IP Level | IP20 |
| Certifications | CCC; CE; ETL; FCC Class A; RoHS |
| Warranty | 2 years |

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