

IEX1.8

Narrow pixel pitch, indoor LED displays with 1.8mm pixel pitch



- 27" tiles in 16:9 ratio
- Lock design
- Cableless design
- Full front & rear access

The IEX1.8 further expands Barco's indoor direct view LED portfolio. The 27" tiles with a pixel pitch of 1.8 mm deliver an easy and flexible solution to meet any visualization need.

Quick and easy installation

The IEX series is designed to maximize installation efficiency. A cable-free connection between cabinets enables high installation speed. The lock design allows for a screw-free cabinet assembly.

Flexible to meet any project need

With each tile having a 16:9 aspect ratio, it is natural to create native Full HD or UHD screens. This allows displaying video in the most common formats in full, without distortion or unused canvas. Together with a limited screen thickness from the wall it ensures a slick appearance.

Simple and smooth maintenance

No matter if you have only front or back access, all parts can be easily maintained. When a module is replaced, it can re-calibrate itself thanks to the storage of calibration data in the receiver card. Easy monitoring is ensured by an LCD display at the back.

Supporting critical applications

In order to support the use of LED in critical environments and prevent downtime, signal loop redundancy is embedded. Next to this a power redundancy option is made available. To ensure long term support, extended warranty up to 5 years is possible.

Product specifications**IEX1.8**

General specifications	
Pixel pitch	1.875 mm
Pixels per tile	320 x 180 (HxV)
Brightness	>600 nit
LED lifetime	100,000h
Refresh rate	3,840Hz
Internal processing	16 bit (281 trillion colors)
Control	Novastar
Hor. viewing angle	160° +/-5°
Vert. viewing angle	160° +/-5°
Brightness uniformity	>97%
Ergonomics	No
Contrast	>5,000:1
Power consumption	410 W/m ² (max.) 138 W/m ² (avg.)
Heat dissipation	1,398 BTU/hr/m ² (max.) 471 BTU/hr/m ² (avg.)
Operation power voltage	100-240V 50/60Hz
Operational temperature	-10°C to +40°C / 14°F to 104°F
Operational humidity	10-80%
IP rating	Front IP30 / Rear IP50
3D	No
HDR	No
Redundant power supply	Optional
Concave curvature	Up to 5° inter-tile
Dimensions	600 x 337.5 x 74mm (WxHxD) / 23.62 x 13.29 x 2.91 inch (WxHxD)
Aspect ratio	16:9
Serviceability	Front and back access
Cables	No external cabling
Weight / Tile	8 kg / 17.6 lbs
Warranty	Extended warranty up to 5 years

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