INDOOR FLIP-CHIP SMD

SENTINEL 0.9 MM

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Sentinel is an energy efficient indoor LED display solution based on advanced Flip Chip SMD technology. It combines low power consumption, reduced heat generation, and outstanding visual performance in a reliable display platform.

Energy Saving Technology

Flip Chip SMD technology replaces traditional bonding wires by mounting the LED chip directly inside the package. Combined with a high efficiency chip set, it reduces power consumption by up to 70% while significantly lowering heat generation. The improved design also enables brightness levels of up to 2,500 nits, delivering high performance with lower energy consumption.

24/7 Reliable Operation

Designed for continuous 24/7 operation, Sentinel supports optional power and data redundancy to ensure reliable performance in mission critical applications. The system is built to maintain stable operation and minimize downtime, making it ideal for environments where uninterrupted performance is essential.

Accurate Color Reproduction

Sentinel delivers outstanding image quality with accurate color reproduction and exceptional color consistency, developed in partnership with Multicolor. Supporting 100% AdobeRGB, REC.709, and sRGB color spaces, together with 99% DCI-P3 coverage, it combines precise grayscale processing with smooth image reproduction to display every detail with outstanding clarity for continuous operation in control rooms, command centers, and other mission critical applications.

Pixel pitch (mm):
0.95

Cabinet resolution (WxH):
640x360

Cabinet size (WxHxD), mm:
608x342x49 (27.5")

Net.weight/cabinet:
8.8 kg

Cabinet material:
Die-casting aluminum

Maintenance:
Front

IP Rating:
Front IP30 / Rear IP30

Brightness sustainable mode/Max.:
700 / 1,100 (cd/m2)

Max./Avg. power consumption:
220 W / 165 W (per m2)

Viewing angle (H/V):
160° / 160°

LED lifetime:
100,000 hrs

Certificates:
CE; ETL; FCC Class A; Rohs

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