ROE
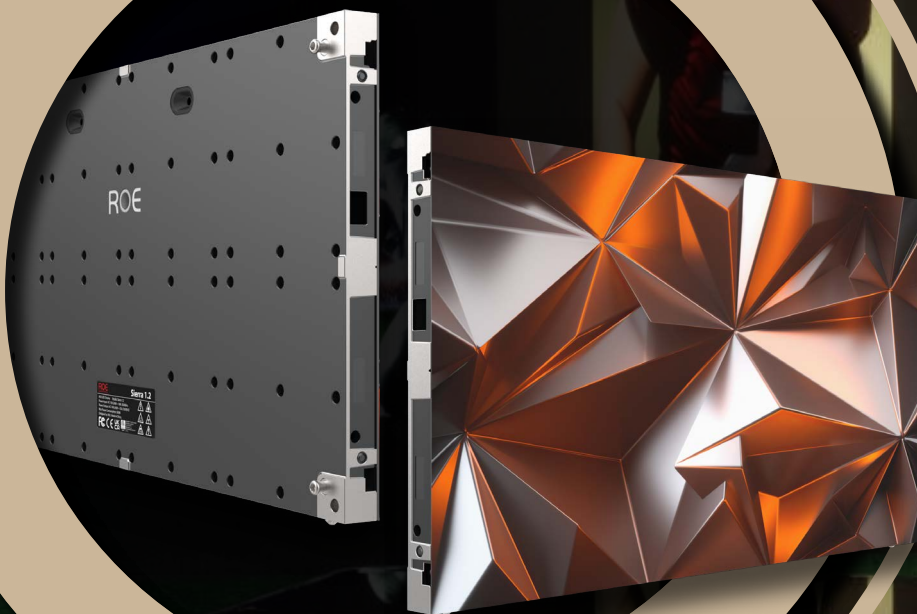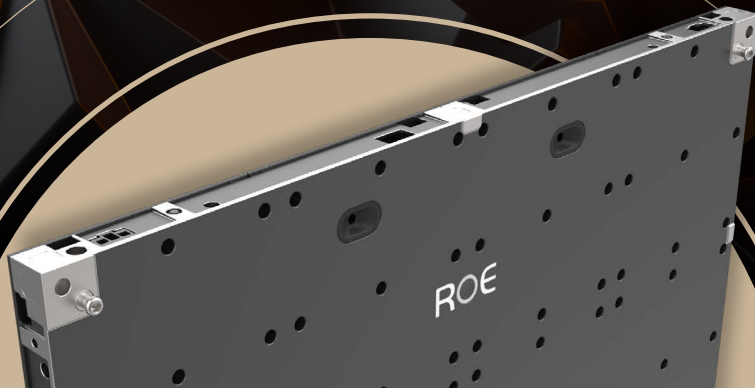## Display Solutions

Sierra

Studio-grade Performance, Everyday Efficiency

INDOOR FIXED INSTALL

Designed for Broadcast, Built for More

ROE Visual presents the next chapter in innovative LED technology with Sierra. Fitted with flip-chip 4-in-1 LED technology, Sierra offers reduced reflection, sharp contrast, and a flawless black surface.
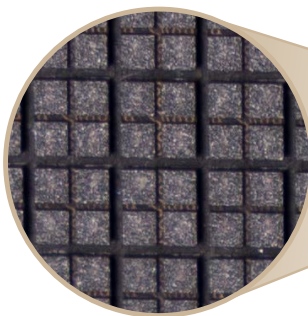Initially engineered for the controlled conditions of broadcast studios, Sierra's advanced LED technology excels in any high-brightness setting. With superior contrast and seamless integration capabilities, it's a powerful solution for modern visual systems.
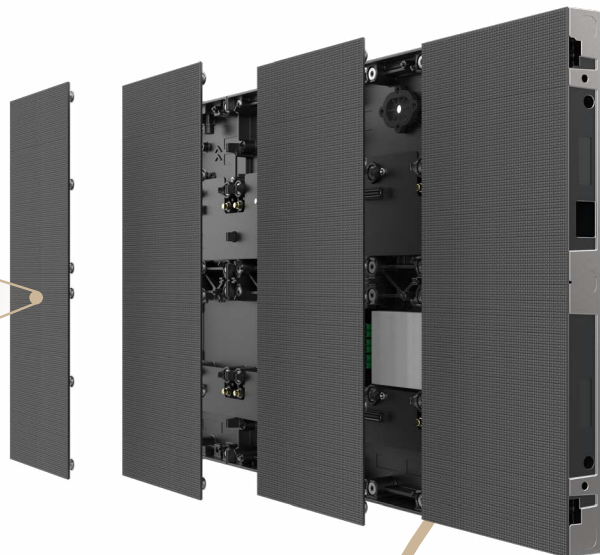
> **Low scan ratio minimizes screen flicker and reduces visible scan lines on camera, making it ideal for TV studios, broadcast stations, and other in-camera environments.**

Striking Contrast and In-camera Perfection

Sierra combines an optimized scan ratio with a deep black, anti-reflective surface and 4-in-1 LEDs to deliver stunning visuals for outstanding in-camera performance.

Flip chip 4 in 1 LED

Energy Efficiency Redefined

Sierra leverages common cathode and flip-chip Micro LED technology, paired with a highly efficient power supply, to reduce energy consumption by up to 40%. Its consistently low operating temperatures enhance color performance and significantly extend the panel's lifespan.

40% reduction

Low profile panel design

16:9 ratio in panel design. Native 4K
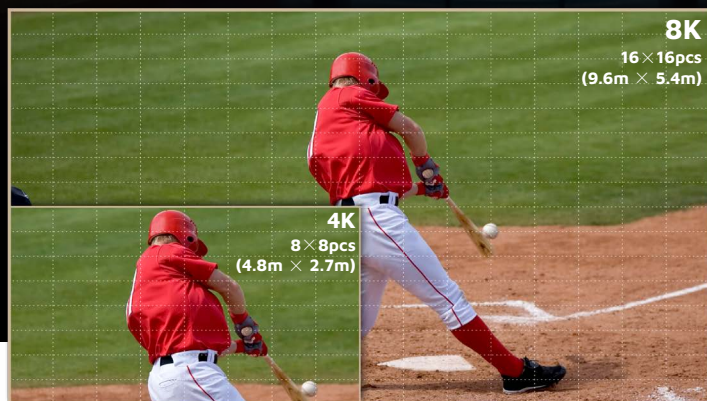
16:9

Highly efficient power supply

Sierra 16:9 ratio

8K
16×16pcs
(9.6m × 5.4m)

4K
8×8pcs
(4.8m × 2.7m)

Low scan ratio

Front service

HDR technology

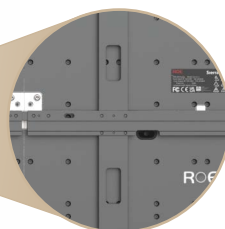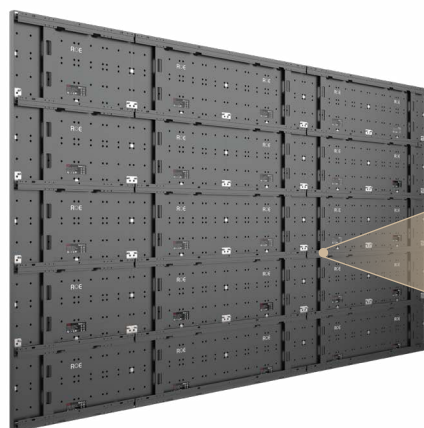**HDR**

Sleek Design Meets Precision

With a slim profile of just 55mm after installation, Sierra panels combine modern elegance with functionality. Featuring a standard 16:9 aspect ratio and dimensions of 600mm x 337.5mm, they are designed for seamless integration. The high-precision mounting frame ensures effortless installation, making them a perfect fit for any space.
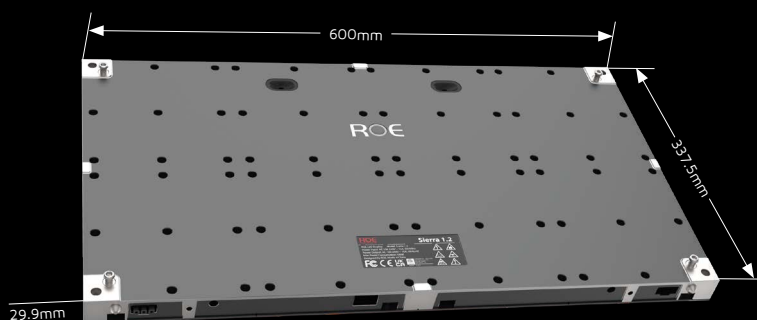
55

29.9

Specifications

Sierra	Sierra 1.2	Sierra 1.5
Pixel Pitch	1.25mm	1.56mm
Max Brightness Calibrated	1000nits	1000nits
Panel Dimension	600mm x 337.5mm x 29.9mm 23.62" x 13.29" x 1.18"	600mm x 337.5mm x 29.9mm 23.62" x 13.29" x 1.18"
Panel Resolution (H x V)	480 x 270	384 x 216
Panel Weight	5.7kg; 12.57lbs	5.7kg; 12.57lbs
Power Consumption Max / Average	100W / 50W	80W / 40W
BTU Max / Average	345 / 160	275 / 130
Transparency	Solid	Solid
Serviceability	Front	Front
LED Configuration	Flip chip 4 in 1 LED	Flip chip 4 in 1 LED
Viewing Angle Horizontal	160°	160°
Viewing Angle Vertical	140°	140°
Refresh Rate	3840Hz	7680Hz
Gray Scale	15bit	16bit
Frame Material	Aluminum Alloy	Aluminum Alloy
Processing Platform	Megapixel, NovaStar	Megapixel, NovaStar
Operational Temp / Humidity	-20°~45°C, 10~90%RH -4°~113°F, 10~90%RH	-20°~45°C, 10~90%RH -4°~113°F, 10~90%RH
Storage Temp / Humidity	-40°~60°C, 10~90%RH -40°~140°F, 10~90%RH	-40°~60°C, 10~90%RH -40°~140°F, 10~90%RH
IP Rating	IP40	IP40

Notes: The specifications are for reference, actual values may vary.

Dimensions