

KOHEI

True 21:9 Ultra Wide Display



TRUE ASPECT RATIO & RESOLUTION

Developed to meet the highest standards of visual fidelity, ensuring that your video wall holds true 21:9 aspect ratio and native resolution without any compromise.

APPLICATIONS

- Microsoft Teams Rooms
- Corporate Conference Rooms
- Boardrooms and Executive Suites
- Video Teleconferencing (VTC) Rooms



With fewer seams and joints across the display surface, Kohei delivers smoother transitions, tighter tolerances, and enhanced visual consistency across the entire canvas.

LARGE CABINETS, FASTER INSTALL

Features a cabinet size of 800mm × 337.5mm, setting it apart from traditional LED display designs. This enables faster installation times by covering a larger surface area with fewer cabinets, significantly reducing the overall number of connections and alignment points required.

LARGE MODULES, LESSER SEAMS

The enhanced module size of 200×337.5mm minimizes bezel lines and internal break points, delivering a cleaner, more immersive visual experience. Ideal for applications and environments where flawless imagery is critical.

FLIP CHIP COMMON CATHODE

Features lower power consumption and an ultra-high refresh rate for fluid, flicker-free motion, HDR support for vibrant, high-contrast imagery, along with true 16-bit grayscale processing to maintain exceptional detail even at low brightness levels.

DUAL BACKUP, PEACE OF MIND

In case of a main receiving card or power supply failure, the dual backup system seamlessly takes over to maintain uninterrupted display, providing stability and reliability of the video wall display setup.

SPECIFICATIONS

True 21:9 Ultra Wide Display



REMARKS

Power consumption tolerance: $\pm 15\%$, according to the actual situation. Pensar LED LLC, reserves the right to modify specifications and parameters without further notice.

Description	137"	171"
Pixel Pitch (mm)	1.25	1.56
LED Type	Flip Chip COB	
Module Resolution	640 × 270	512 × 216
Cabinet Size (mm)	800 × 337.5 × 38	
Brightness (nits)	≤ 1000	≤ 1000
Grayscale (bit)	14–16	14–16
Color Temperature (K)	2000–10000 (adjustable)	2000–10000 (adjustable)
Drive Mode	Constant current drive (compatible)	
Control Mode	Synchronous control	
Frame Rate (Hz)	50 / 60	50 / 60
Refresh Rate (Hz)	≥3840	≥3840
Power Consumption (W/m ²)	≥450	≥450
Viewing Angle (°)	≥180	≥180
Operating Voltage	AC 100–240V / 50–60Hz	
Life Span	100,000 hrs	
Operating Temperature (°F)	14°F to 104°F	14°F to 104°F