

# COMET-CV SERIES

Indoor Fine Pitch 5G Micro LED Display



Introducing the Aura Vision COMET-CV Series, a groundbreaking line of Micro LED displays that redefine the boundaries of visual excellence. Leveraging cutting-edge Flip Chip COB technology, these displays boast an incredibly low pixel pitch, enabling stunningly high resolutions even on smaller screen sizes.

## OVERVIEW & APPLICATIONS

- **5G Connectivity:**
  - Enjoy seamless integration with your devices and experience lightning-fast data transfer and ultra-low latency.
- **Flip Chip COB Technology:**
  - Benefit from enhanced reliability, durability, and improved performance compared to traditional LED packaging methods.
- **Lowest Pixel Pitch:**
  - Achieve astonishing levels of detail and clarity, even with smaller screen sizes.
- **High Resolutions:**
  - Immerse yourself in stunning visuals with the COMET-CV series' ability to deliver exceptional resolutions.
- **Commitment:**
  - The Aura Vision COMET-CV series is designed to meet the most demanding requirements of professionals and enthusiasts alike. Whether you're seeking a state-of-the-art display for gaming, content creation, or professional applications, this series delivers an unparalleled viewing experience
- **Applications:**
  - Home Cinema
  - Broadcasting Studio
  - Corporate
  - Healthcare
  - Museums

# SPECIFICATIONS

MODEL	COMET-CV 0.4	COMET-CV 0.6	COMET-CV 0.7	COMET-CV 0.9	COMET-CV 1.2
Technology	Micro LED - Flip Chip COB - 5G				
Pixel pitch	0.47 mm	0.63 mm	0.79 mm	0.95 mm	1.27 mm
Pixel density	44,088,973 px/m <sup>2</sup>	2,480,004 px/m <sup>2</sup>	1,587,203 px/m <sup>2</sup>	1,102,224 px/m <sup>2</sup>	620,001 px/m <sup>2</sup>
Module size	304.8 x 342.9 mm • [12 x 13.5 in]				
Module resolution	640 x 720 px	480 x 540 px	384 x 432 px	320 x 360 px	240 x 270 px
Panel size	609.6 x 342.9 x 48.2 mm • [24 x 13.5 x 1.89 in]				
Panel resolution	1,280 x 720 px	960 x 540 px	768 x 432 px	640 x 360 px	480 x 270 px
Display area	0.21 m <sup>2</sup> • [2.25 sq In]				
Weight	6.1 kg (±0.1) • [13.4 lbs (±0.2)] /panel				
Housing material	Die-casting aluminum				
Ingress protection	IP65 (front)				
Operation brightness	≥ 600 nits	≥ 800 nits	≥ 800 nits	≥ 800 nits	≥ 800 nits
Peak brightness	≥ 1,200 nits				
Brightness uniformity	≥ 98%				
Calibration	Brighness • Chroma				
Refresh rate	1,920 ~ 3,849 Hz (adjustable based on application)				
Color temperature	2,000 K ~ 10,000 K				
Color gamut	≥ 115%				
Color	281 trillion colors				
Viewing angle	Horizontal: 170° • Vertical: 170°				
Static contrast	≥ 10,000:1				
Dynamic contrast	≥ 300,000:1				
Gray scale	16 bits				
Frame frequency	50 / 60 Hz				
Max power consumption	≤420 W/m <sup>2</sup>	≤420 W/m <sup>2</sup>	≤420 W/m <sup>2</sup>	≤410 W/m <sup>2</sup>	≤340 W/m <sup>2</sup>
Avg power consumption	≤140 W/m <sup>2</sup>	≤140 W/m <sup>2</sup>	≤140 W/m <sup>2</sup>	≤135 W/m <sup>2</sup>	≤115 W/m <sup>2</sup>
Max heat dissipation	1,436 BTU/Hr/m <sup>2</sup>	1,436 BTU/Hr/m <sup>2</sup>	1,436 BTU/Hr/m <sup>2</sup>	1,402 BTU/Hr/m <sup>2</sup>	1,162 BTU/Hr/m <sup>2</sup>
Avg heat dissipation	479 BTU/Hr/m <sup>2</sup>	479 BTU/Hr/m <sup>2</sup>	479 BTU/Hr/m <sup>2</sup>	462 BTU/Hr/m <sup>2</sup>	393 BTU/Hr/m <sup>2</sup>
Working voltage	100V ~ 240V • 50 ~ 60Hz				
Operating temperature	-10°C ~ 40°C • [14°F ~ 104°F]				
Operating humidity	10% RH ~ 90% RH - no condensation				
LED lifetime	100,000 hours				
Serviceability	Full front service				
Warranty	3 years standard • 5 years extended				
Certifications	CB • CE-EMC • CE-LVD • ROHS10 • Blue Light • Photo-Biological Safety				