



CL V3 Series

Inspiring Color, Redefined Reality



30000:1 Contrast Ratio



1600nits Peak Brightness



22bit Grayscale



7680Hz Refresh Rate

◀ Key Features



9-Layer HTB Ultra-Black Packaging 30000:1 Ultra-High Contrast for Powerful Visual Impact

Combining 9-layer HTB ultra-black encapsulation with full flip-chip COB packaging, the CL V3 Series delivers a 30000:1 contrast ratio with SCI < 2.5. Deeper blacks, improved image separation, and vivid detail ensure exceptional depth and clarity.

*High Transmittance & Black
*Specular Component Included



PWM+PAM Hybrid Super-Drive Technology Up to 1600 Nits Peak Brightness with Precise Light Control

PWM+PAM hybrid super-drive technology enables up to 1600 nits peak brightness, delivering clean highlights, preserved shadow detail, and clear, balanced visuals.



Dual-Layer Color Gamut Algorithm | DCI-P3 Ultra-Wide Color Gamut with True-to-Life Color Reproduction

Premium wide-gamut LED chips enable precise, pixel-level color control, while dual-layer processing ensures accurate color reproduction and consistent performance across multiple content sources.



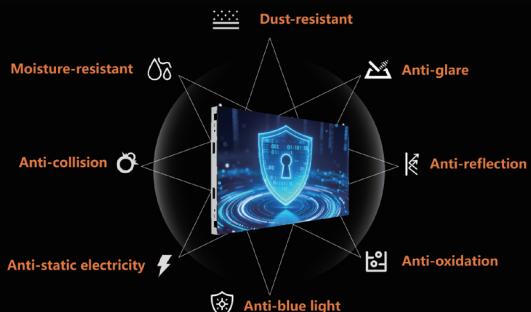
7680Hz Ultra-High Refresh Rate Flicker-Free Performance at Low Grayscale

With a 7680Hz ultra-high refresh rate and low-grayscale flicker-free technology, the CL V3 Series minimizes flicker and scan lines during camera capture while delivering stable, comfortable viewing over extended use.



22-Bit Grayscale Processing Smooth Transitions with Exceptional Detail

Ultra-high 22-bit grayscale processing delivers smooth, precise transitions between colors and brightness levels, ensuring natural gradients and refined detail across all content.



8 Star All-Round Protection All-Day Clarity in High-Ambient Light

Advanced AR + AG surface treatments minimize reflections and glare, ensuring consistent visibility and image clarity in bright indoor environments.

Product Parameters

Model	CL0.9 V3	CL1.2 V3
LED Type	Flip-chip COB	Flip-chip COB
Pixel Pitch (mm)	0.93	1.25
Panel Dimensions (W×H×D)(mm/inch)	600×337.5×29.8mm (23.62×13.28×1.15")	600×337.5×29.8mm (23.62×13.28×1.15")
Pixel Per Panel	640x360	480x270
Panel Material	Die Casting Aluminum	Die Casting Aluminum
Brightness (Max./peak, nits)	1200/1600	1200/1600
Refresh Rate (Hz)	7680	7680
Grayscale (Bit)	21 (Internal processing)	22 (Internal processing)
Contrast Ratio	30000:1	30000:1
Viewing Angle (H/V) (°)	160/160	160/160
AC Operating Voltage (V)	100~240	100~240
Power Consumption (Max./Avg.)(W/Panel)	427/143	399/133
Operating Temperature (C)	−10~+40	−10~+40
Operating Humidity (RH)	10%~80%	10%~80%
IP Rating (Front/Rear)	IP40/IP21	IP40/IP21
Maintenance(Front/Rear)	Front	Front



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