

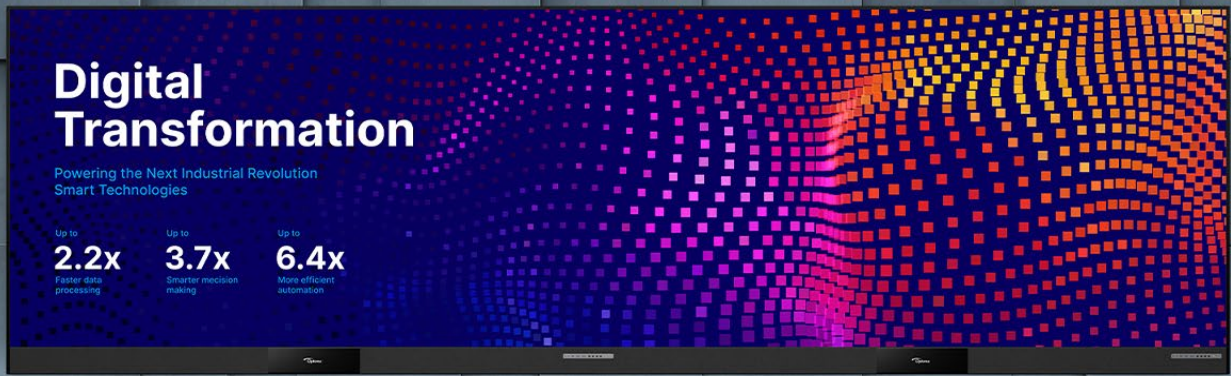
PRO|SCENE
**AIO dvLED Flip-chip COB
 Ultra Wide Displays**

196" (UWC196) | 245" (UWC245) | 295" (UWC295)

Corporate | Enterprise | Education | Hospitality | House of Worship



Expanding our Award-winning dvLED Portfolio!



The Ultimate All-in-One Display Solution



Built-in, 120W immersive audio*



Easy, Intuitive User Experience



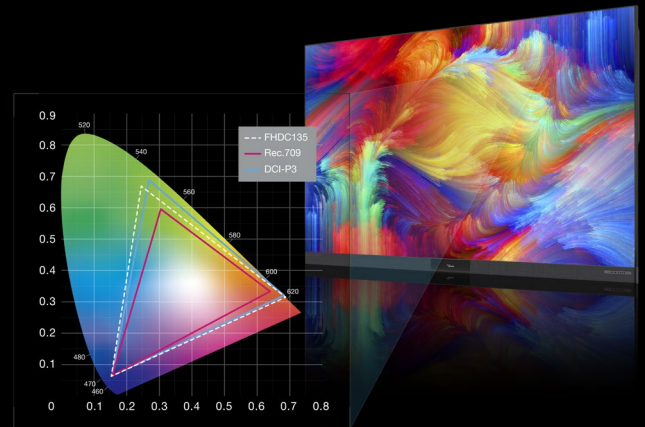
Next-Gen COB LED Technology



Quick Setup, Flexible Applications

FLAWLESS IMAGE PRECISION & A SPECTRUM OF VIBRANT HUES

- **Vivid, lifelike colors with a wider color gamut:** Wide DCI-P3 color gamut delivering rich and vibrant visuals.
- **Bright and smooth matte finish:** Delivers a bright and consistently crisp image, even at wide viewing angles and in bright environments.
- **High contrast ratio and refresh rate:** Enjoy exceptional clarity and depth with a 15,000:1 contrast ratio, while motion stays smooth and free from tearing, flicker, or blur.



DISCOVER THE POWER OF AN ALL-IN-ONE DISPLAY

- **Streamline setup:** Using lightweight and pre-assembled cabinet columns designed for effortless transport and quick installation which also reduces cost compared to custom or modular mounting solutions.
- **Immersive audio:** 120-watt 6 speaker system to ensure everyone in the room hears every word.*
- **Integrated operating system:** Built-in Android OS with File Manager and local storage for quick and easy access.

*includes 60W front speakers (2 x 30W)



Smart, Built-In Control

Powered by Android 13.0, the ProScene AIO dvLED display series feature built-in apps*, Optoma Management Suite Cloud (OMSC®), Display Share, and Wi-Fi** for seamless wireless connectivity and content sharing.



OPTOMA MANAGEMENT SUITE CLOUD (OMSC)

OMSC remotely manages your display fleet from a convenient, centralized location, anytime, anywhere.

- Monitor and diagnose displays and LED modules remotely
- Broadcast alerts and content in real time
- Schedule and manage digital signage



Remote monitoring



Signage



Control & scheduling

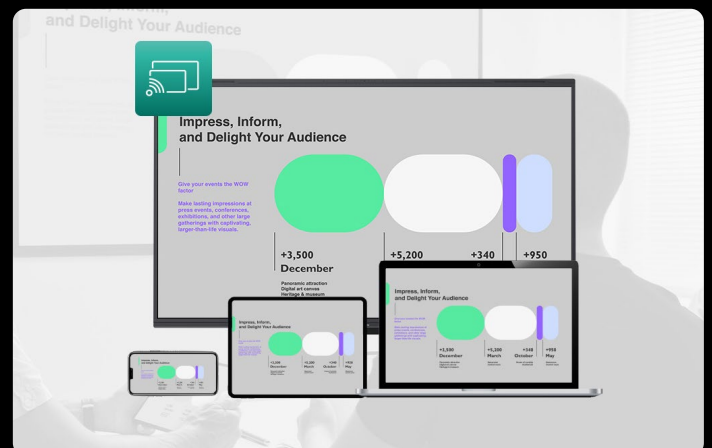


Multimedia broadcast

DISPLAY SHARE: EFFORTLESS WIRELESS SHARING

Display Share is a hassle-free wireless solution for video conferencing, collaboration, and presentations.

- Simultaneous wireless casting up to 4 users
- Display Share supports all devices — Desktop (Windows/Mac) and Mobile (Android/iOS)
- Perfect solution for Wireless presentations / Hybrid working



*Does not support Google Play Store access

**with additional dongle SI07E



COB vs SMD

Chip-on-board (COB) is a **superior technology** and understanding the true benefits of COB technology can help customers achieve a better experience, lower cost of ownership, reduced downtime, and a wider range of suitable applications.

SMD

COB

Robust Design

Water & Dust Resilient
(Tile Surface Only)

Robust Surface

Good Heat Dissipation

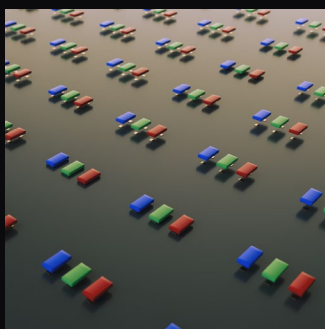
High Brightness
(700nits)

Designed to protect, built to last.

Technology	Pros	Cons
COB Flip Chip	<ul style="list-style-type: none"> - Best image quality (fine pitch) - Highest durability - Easy field repair - Lower ToC - Best black level 	<ul style="list-style-type: none"> - Premium technology, with limited repair options; typically requires full tile replacement
SMD-GOB	<ul style="list-style-type: none"> - Rugged - Moisture & impact protected 	<ul style="list-style-type: none"> - Slight diffused light - Difficult repair in field - Aging technology
SMD	<ul style="list-style-type: none"> - Low cost - Flexible pitches - Field repair 	<ul style="list-style-type: none"> - Exposed LEDs - Less durable - Aging technology

In-Depth Comparison

Category	COB Chip-On-Board (flip chip)	SMD-GOB Glue-On-Board	SMD Surface-Mounted Diode
What is it?	LEDs bonded, sealed to PCB (80% fewer solder joints vs SMD)	Pre-packaged LEDs wire bonded, surface mounted to PCB with epoxy (glue) overlay	Pre-packaged LEDs wire bonded and surface mounted to PCB (unprotected)
Product Maturity	Next Gen	Mature	Late Stage
Visual Quality	Elite (best surface uniformity)	Very strong	Strong
Pixel Density	Best (more mix - allows ultra-fine pitch)	Better (due to epoxy)	Good
Pixel Pitch Range	~0.4mm - 1.8mm	~0.9mm - 2.5mm+	~0.9mm - 2.5mm+
Durability	Very High - fully sealed surface	High - impact and moisture resistant	Moderate
Touch / Contact Resistance	Very High	High	Low
Viewing Angle	Widest - seamless pixel plane	Slightly wider due to surface refraction reduction	Wide
Brightness	High (better in new gen)	High (loss from epoxy)	High
Contrast	Best - ultra-black surface, no gaps	Better - reduced light scatter	Good
Heat Dissipation	Best (chip to substrate)	Good	Good
Maintenance	Field repairable / swappable modules	Field repairable but resin removal difficult	Field repairable / swappable modules
Protection (Water / Dust)	Highest potential for indoor specs	IP-rated potential	Lower (not sealed)



Robust Design

COB technology provides shock, dust, and moisture resistance



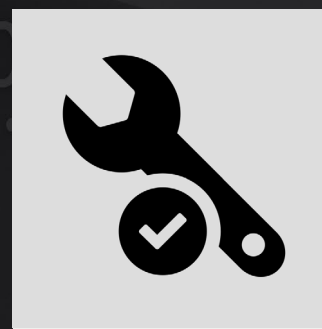
Smart Integration

ProScene integrates with OSS cloud or via existing control systems



Seamless Install

Pre-calibrated tiles, pre-assembled columns, and 110v* simplify install



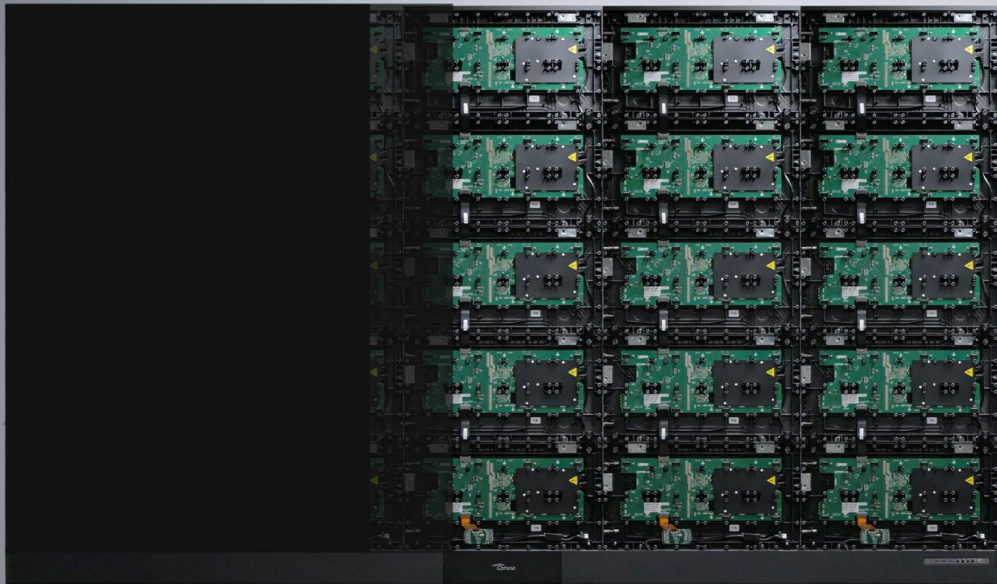
Full Support

Up to 5 Year Extended Warranty and support for assembly, install & software

Flip-chip COB Technology provides a **more robust design**, increased brightness, durability, and **pixel perfection**.



Watch How
It Works!



Designed for quick, seamless setup

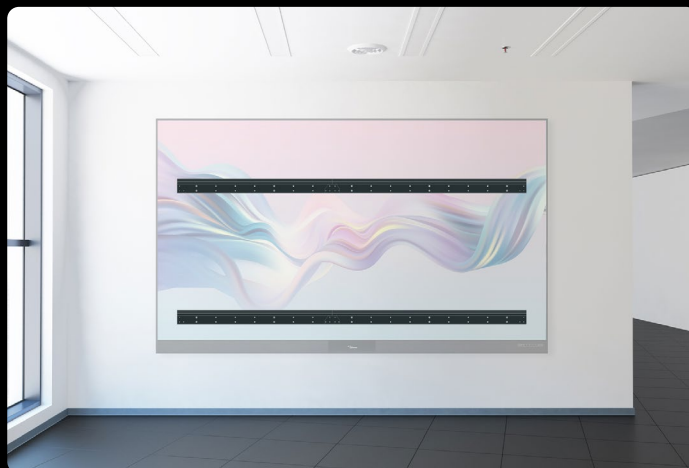
With pre-assembled cabinet columns, installation is faster and easier than ever. The sleek design minimizes setup time, letting you focus on delivering impressive visuals in no time.



Pre-assembled cabinet columns, just 1.2 inches deep.*



Easy front access with hot-swappable tiles, FFC modular connectors, and a magnetic tool for quick, reliable maintenance.



Designed with simple, flexible, and low-cost mounting hardware that eliminates the need for custom or expensive installation solutions.**

*1.22" cabinet depth—actual mounted depth varies.

**Optional floor stands are sold separately.

Solutions for Any Space

Optoma ProScene displays come in six versatile sizes—108", 135", 163", and 196", 245", 295" Ultra-Wide options for seamless, large-format setups. Whether used individually or combined, they adapt perfectly to any space or application.



Designed for Real Spaces



Corporate



Education



Retail



House of Worship

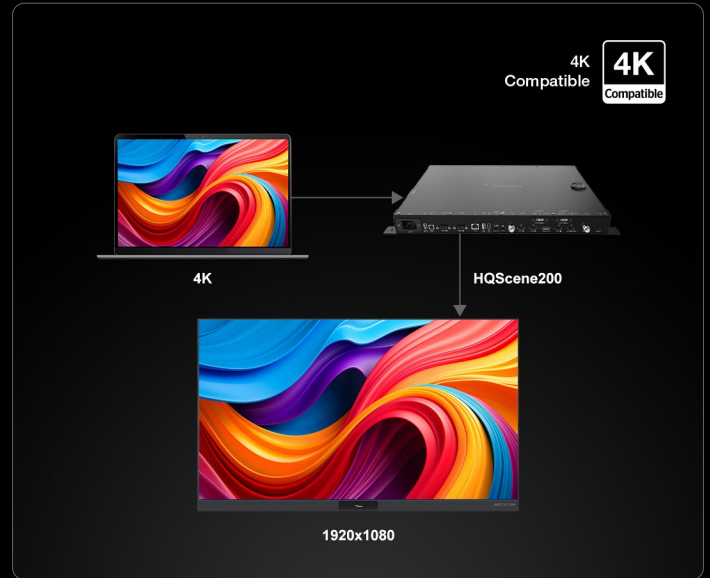
Transform your space with smarter display control – HQScene200*

Optoma's HQScene200 dvLED controller provides displays with added capabilities such as multi-source tiling, 4K compatibility, signal synchronization and more.



ULTRA-WIDE OPTIONS

Ultra-wide 32:9 aspect ratio creates an immersive canvas fostering creativity and teamwork. Perfect for video conferencing, corporate applications, and higher education.



SMOOTH 4K PROCESSING

HQScene200 supports 4K input and delivers crisp 1080p visuals with exceptional clarity.



EFFORTLESS CONTROL FOR EVERY APPLICATION

Powered by OSS and OMSC for smart, centralized management across various settings.



SMARTER MEETINGS WITH HQSCENE200 AND MTR SOLUTION**

The 32:9 ultra-wide screen integrates with Microsoft Teams Rooms, bringing participants, content, and chat together with flexible layouts and customizable viewing modes for inclusive meetings.

*HQScene200 is an optional upgrade, sold separately.

**MTR solution is not included and must be purchased separately.

Product specification

	UWC196	UWC245	UWC295
Product Parameters	Size	196"	245"
	LED type	COB Flip-Chip (Chip on board)	
	Pixel pitch (mm)	1.25	1.87
	Aspect ratio	32:9	
	Resolution	3840 x 1080	
	Recommend viewing distance	≥ 8.2ft	≥ 10.5ft
	Maintenance mode	Front access	
	Installation mode	Wall mount	
	ME structure	8 pre-assembled columns	10 pre-assembled columns
	LED tiles	256 tiles	576 tiles
	Tile size	5.9" x 6.64"	
	Display depth	1.22"	
Optical parameters	Brightness	700 nits	700 nits
	Refresh rate	3840Hz	
	Viewable screen area	188.98" x 53.15"	236.22" x 66.43"
	Gray scale	13-bit (native) 13+6-bit (software enhanced)	
	Contrast	15,000:1	
	Contrast temperature	2300-9300K (Adjustable)	
	Color gamut	DCI-P3: 92.42%, Rec. 709: 99.36%	
	Viewing angle	Horizontal 165°, Vertical 165°	
	LED lifespan	≥100,000hrs	
System parameters	Operating system	Android 13.0	
	CPU	Four Cortex-A76 + four Cortex-A55, frequency 2.4 GHz	
	RAM	8 GB	
	Storage	64 GB	
Connectivity	IOs	Inputs: 3 x HDMI 1.4, 1 x HDMI 2.0 (4K compatible), 1 x USB Type C (5V,1A), 2 x USB 3.0, 1 x Audio In (3.5mm) Outputs: 1 x HDMI, 1 x Audio Out (3.5mm) Ports: 1 x RS232 (RJ45), 1 x USB (service), 1 x LAN (RJ45) (1000M), 1 x RJ45 (service)	
General	Speakers	2 x 30W (front)	2 x 30 W (front); 2 x 15 W (left); 2 x 15 W (right)
	In the box	Remote control, Tile removal tool, Magnetic front plate removal tool, Wall mount bracket, Parts kit, Power cord (3m)	
	Spare LED tiles	8	
Power	Operation voltage	100-240Vac, 50/60Hz*	
	Standby power	≤0.5W	
	Power consumption (Average)	395W x 2 (dual power cords)	490W x 2 (dual power cords)
	Power consumption (Max)	<1190W x 2 (dual power cords)	<1460W x 2 (dual power cord)
Environmental parameters	Operation temperature	-10°C-40°C	
	Operation humidity	10%-80%RH No condensation	
	Intended install environment	Indoor only	
	Ingress protection	IP65 (COB surface only)	
	Impact protection	IK08 (COB surface only)	
Weight and dimensions	Dimensions (overall size) L x H x D	190.2" x 58.07" x 1.23" (1.4" total mounted depth)	237.44" x 71.35" x 1.22" (2" total mounted depth)
	Shipping (Wooden crate) dimensions L x W x H	Pallets 1 & 2 of 4: 62.87" x 40.75" x 36.61"; Pallets 3 & 4 of 4: 82.83" x 23.46" x 20.04"	Crates 1 & 2 of 4: 75.2" x 30.31" x 48.03"; Crates 3 & 4 of 4: 81.5" x 22.44" x 19.69"
	Weight (shipping)	Pallets 1 & 2: 361.56 lbs, Pallets 3 & 4: 134.48 lbs	Crates 1 & 2: 469.58 lbs, Crates 3 & 4: 143.3 lbs
	Weight (product)	350.53 lbs (without wall mount)	482.81 lbs (without wall mount)
	Warranty	3-Year limited warranty	
	UPC	796435 69 119 6	796435 69 120 2

Accessories HQScene200

*200V - 240V power required for full brightness with UWC295—500 nits max brightness @110V.

Dimensions	14.25" x 17.4" x 1.97" (LxWxH)
Weight	10.14 lbs
CPU	NXP i.MX8M Cortex®-A53, 1.5GHz
RAM	4G LPDDR4-1866Hz
Storage	32G eMMC
Power Supply	100-240 VAC, 50/60Hz Power
Power Consumption (Standby)	<0.5W
Power Consumption (Typ.)	<40W
Operating Conditions	Operating temperature: 0°C to 40°C (ambient 25°C) and 5% to 95% non-condensing humidity
I/Os	HDMI Input: 3 ports (HDMI 2.0) HDMI Loop Out: 1 port (HDMI 2.0) HDMI Output: 2 ports (HDMI 2.0) Display Port Input: 1 port (DP 1.2a) SDI: 3G-SDI IN
Features	Display Share System Control: OMS Screen Division: PIP/PBP 4K scaling Tiling Function (multi-source window display) Genlock Function



Built-in speakers



Heat dissipation



Energy efficient



Powered by Android 13



Durable
*COB surface only



Front service



Sleek profile



Durable
*COB surface only



Find out more about
the All-in-One LED solution

