



## ProScene Series

COB All-in-One dvLED Displays with Ultra-Wide Options

Corporate | Enterprise | Education | Hospitality | House of Worship

# Smart. Seamless. Scalable.





# The Ultimate All-in-One Display Solution



**Immersive Audio  
and Visuals**



**Easy, Intuitive User  
Experience**



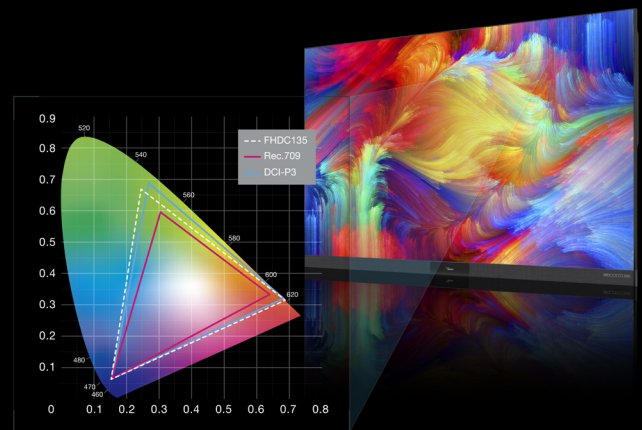
**Next-Gen COB LED  
Technology**



**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 angle 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 LED columns design for effortless transport and quick installation.
- **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.

\*108" model comes with a 60W front speaker system.



## Smart, Built-In Control

Powered by Android 13.0, the FHDC all-in-one LED display series feature built-in apps\*, Optoma Management Suite Cloud (OMSC), Display Share, and Wi-Fi module support\*\* for seamless wireless connectivity and content sharing.



### OPTOMA MANAGEMENT SUITE CLOUD (OMSC)

OMSC aims to remotely manage your display fleet conveniently from a 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

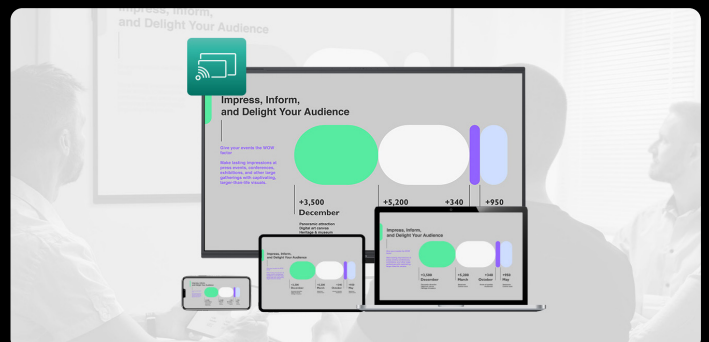


Multimedia broadcast

### DISPLAY SHARE: EFFORTLESS WIRELESS SHARING

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

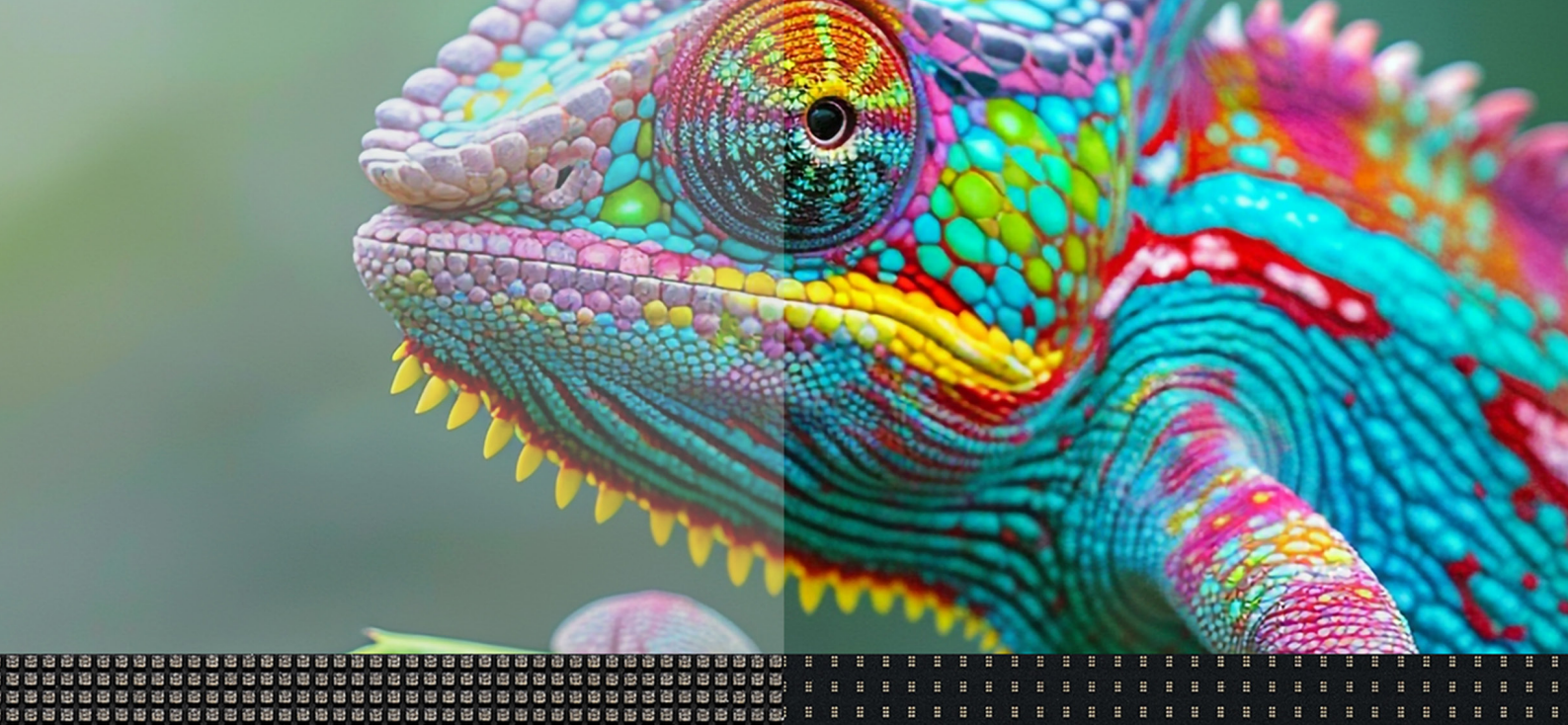
- Wireless simultaneous casting up to 4 users
- Display Share supports all devices — Desktop (Windows/Mac) and Mobile (Android/iOS)
- Perfect solution for: Wireless presentations / Hybrid working



Display Share for any devices ( Win / Mac, Android / Apple iOS )

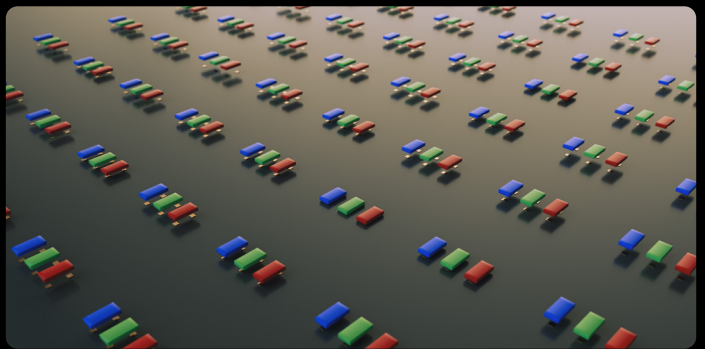
\*\*Does not support Google Play Store access

\*\*with additional dongle SI07E



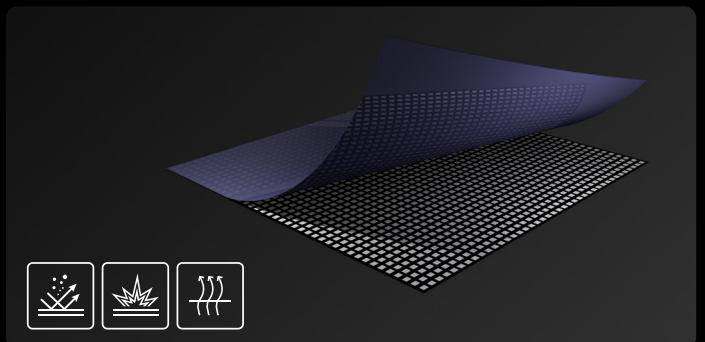
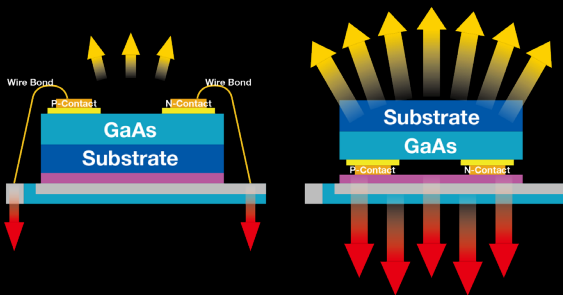
# Superior clarity and efficiency with flip-chip COB technology

Brighter, more efficient visuals with flip-chip LEDs and durable COB technology. Fully protected LEDs and a smooth matte surface make cleaning easy, delivering a reliable, high-quality display.



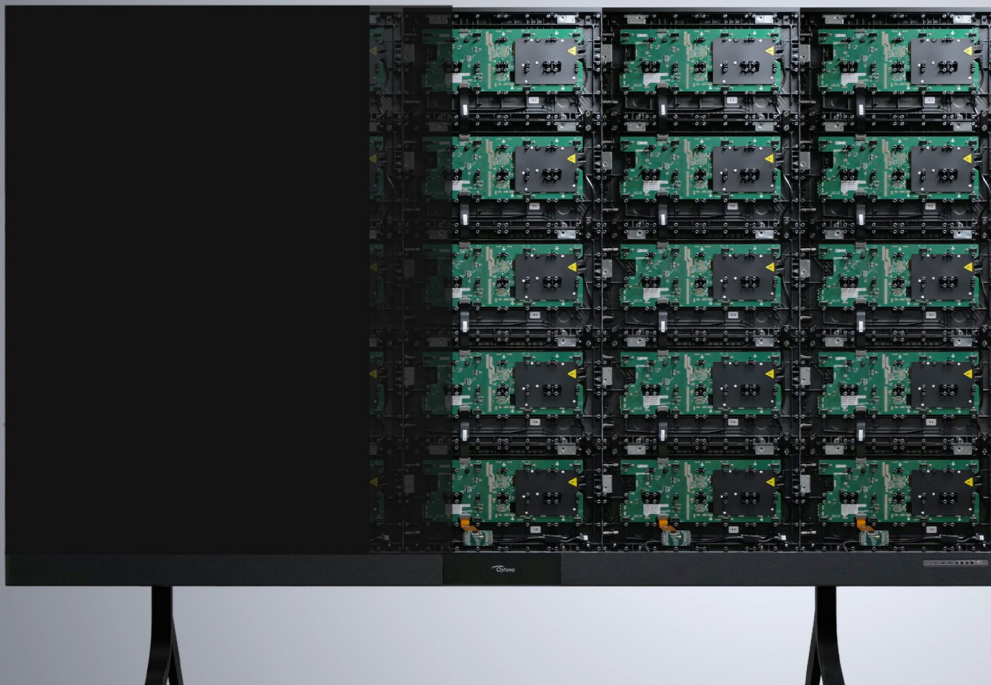
· **Crisp, clear visuals:** Delivers detailed images with smooth colors and minimal pixelation.

· **Durable and reliable:** LEDs bonded to the board improve heat management and lifespan.



· **Efficient performance:** Flip-chip design boosts brightness while saving up to 40% power compared to SMD.

· **Trusted quality:** COB coating protects against dust, bumps, and ensures consistent brightness.



## Designed for quick, seamless setup

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



Pre-assembled LED columns, just 16.5 kg and 31 mm deep.\*



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



Flexible setup with wall, stand, or motorized mounting options.\*\*

\*Size without speakers for 135", 163" models.

\*\*Optional floor and motorized stands are sold separately.

# Solutions for Any Space

Optoma ProScene screens come in three 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

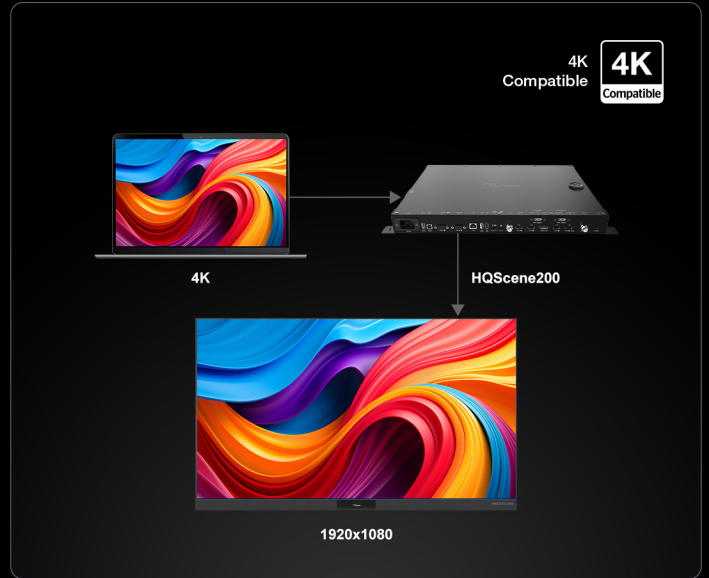
# Transform your space with smarter display control – HQScene200\*

Optoma's HQScene200 dvLED controller provides displays with added capabilities such as image splicing, 4K compatibility, signal synchronization and more.



## ULTRA-WIDE OPTIONS

Customize your space with splicing technology for seamless, expandable displays that foster creativity and teamwork.



## 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.

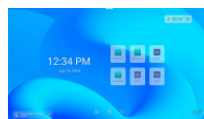
# Product Specification Overview



Model	FHDC108	FHDC135	FHDC163	UWC196	UWC245	UWC295
Screen size	108"	135"	163"	196"	245"	295"
Splicing Capability	Yes	Yes	Yes	2 x FHDC108	2 x FHDC135	2 x FHDC163
Display						
LED type	COB Flip-Chip (Chip on board)	COB Flip-Chip (Chip on board)	COB Flip-Chip (Chip on board)	COB Flip-Chip (Chip on board)	COB Flip-Chip (Chip on board)	COB Flip-Chip (Chip on board)
Pixel pitch (mm)	1.25	1.56	1.87	1.25	1.56	1.875
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 1080	3840 x 1080	3840 x 1080
Brightness (max)	700 nits	700 nits	700 nits (200-240V) 500 nits (100-110V)	700 nits	700 nits	700 nits (200-240V) 500 nits (100-110V)
Contrast ratio	15000:1	15000:1	15000:1	15000:1	15000:1	15000:1
Viewing angle (H x V)	Horizontal 165°, Vertical 165°	Horizontal 165°, Vertical 165°	Horizontal 165°, Vertical 165°	Horizontal 165°, Vertical 165°	Horizontal 165°, Vertical 165°	Horizontal 165°, Vertical 165°
Color gamut	DCI-P3: >92%, Rec. 709: >99%	DCI-P3: >92%, Rec. 709: >99%	DCI-P3: >92%, Rec. 709: >99%	DCI-P3: >92%, Rec. 709: >99%	DCI-P3: >92%, Rec. 709: >99%	DCI-P3: >92%, Rec. 709: >99%
Gray scale	13~16bit	13~16bit	13~16bit	13~16 bit	13~16 bit	13~16bit
Refresh rate	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
LED lifespan	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Operation Hours	16/7	16/7	16/7	16/7	16/7	16/7
IP rating (Front Tiles)	IP65	IP65	IP65	IP65	IP65	IP65
IK rating (Front Tiles)	IK08	IK08	IK08	IK08	IK08	IK08
Tile hardness	4H	4H	4H	4H	4H	4H
Mechanical						
Assembly structure	4 LED columns	5 LED columns	6 LED columns	8 LED columns	10 LED columns	12 LED columns
Number of tiles	128 (4 x 32)	200 (5 x 40)	288 (6 x 48)	256 (8 x 32)	400 (10 x 40)	576 (12 x 48)
LED tile dimension	150 mm x 168.75 mm	150 mm x 168.75 mm	150 mm x 168.75 mm	150 mm x 168.75 mm	150 mm x 168.75 mm	150 mm x 168.75 mm
Maintenance mode	Front access	Front access	Front access	Front access	Front access	Front access
Installation mode	Wall-mount, floor stand, mobile stand	Wall-mount, floor stand, motorized stand	Wall-mount, floor stand, mobile stand	Wall-mount preferred	Wall-mount preferred	Wall-mount preferred
Operation System						
System Version	Android 13.0	Android 13.0	Android 13.0	Android 13.0	Android 13.0	Android 13.0
CPU	Octa Core (A76*4 + A55*4) Processor	Octa Core (A76*4 + A55*4) Processor	Octa Core (A76*4 + A55*4) Processor	Octa Core (A76*4 + A55*4) Processor	Octa Core (A76*4 + A55*4) Processor	Octa Core (A76*4 + A55*4) Processor
GPU	Quad Core (ARM Mali-G610 MC4)	Quad Core (ARM Mali-G610 MC4)	Quad Core (ARM Mali-G610 MC4)	Quad Core (ARM Mali-G610 MC4)	Quad Core (ARM Mali-G610 MC4)	Quad Core (ARM Mali-G610 MC4)
RAM	8 GB	RAM	8 GB	8 GB (Each display)	8 GB (Each display)	8 GB (Each display)
ROM	64 GB	64 GB	64 GB	64 GB (Each display)	64 GB (Each display)	64 GB (Each display)
WiFi (optional)	WiFi 6E, 2.4G + 5G (Optional WiFi Module SI07E)	WiFi 6E, 2.4G + 5G (Optional WiFi Module SI07E)	WiFi 6E, 2.4G + 5G (Optional WiFi Module SI07E)	WiFi 6E, 2.4G + 5G (Optional WiFi Module SI07E)	WiFi 6E, 2.4G + 5G (Optional WiFi Module SI07E)	WiFi 6E, 2.4G + 5G (Optional WiFi Module SI07E)
Network	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps
Power						
Power supply	AC 100 ~ 240 V, 50 ~ 60 Hz	AC 100 ~ 240 V, 50 ~ 60Hz	AC 100 ~ 240 V, 50 ~ 60 Hz	AC 100 ~ 240 V, 50 ~ 60 Hz	AC 100 ~ 240 V, 50 ~ 60 Hz	AC 100 ~ 240 V, 50 ~ 60 Hz
Standby power	≤0.5 W	≤0.5 W	≤0.5 W	≤0.5 W	≤0.5 W	≤0.5 W
Power consumption (average)	395 W	490 W	641 W	395 W x 2 (dual power chords)	490 W x 2 (dual power cords)	641 W x 2 (dual power cords)
Power consumption (max)	1190 W	1460 W	2137 W (1495W @100-110V)	1190 W x 2 (dual power chords)	1460 W x 2 (dual power cords)	2137 W (1495W @100-110V) x 2 (dual power cords)
Audio/Video						
Speakers	60W (Front: 2 x 30W)	120W (Front: 2 x 30W + Left & Right: 2 x 15W)	120W (Front: 2 x 30W + Left & Right: 2 x 15W)	60W (Front: 2 x 30W)	120W (Front: 2 x 30W + Left & Right: 2 x 15W)	120W (Front: 2 x 30W + Left & Right: 2 x 15W)
Dimensions						
Overall size (W x H x D)	2430.8 mm x 1475.4 mm x 31.3 mm (35.8 mm with front speakers)	3030 mm x 1812.5 mm x 31 mm (51 mm total mounted depth)	3630.8 mm x 2150.4 mm x 31 mm (51 mm with with speakers)	4831 mm x 1475 mm x 31 mm (35.8 mm total mounted depth)	6031 mm x 1812.5 mm x 31 mm (51 mm total mounted depth)	7230 mm x 2150 mm x 31 mm (51 mm total mounted depth)
Display area (W x H)	2400 mm x 1350 mm	3000 mm x 1687.5 mm	3600 mm x 2025 mm	4800 mm x 1350 mm	6000 mm x 1687.5 mm	7200 mm x 2025 mm
Weight (per column/screen)	14 kg / 80 kg without wall mount brackets	16.5 kg / 110 kg without wall mount brackets	19.5 kg / 155 kg without wall mount brackets	14 kg / 159 kg without wall mount brackets	16.5 kg / 219 kg without wall mount brackets	19.5 kg / 308 kg without wall mount brackets
Connectivity						
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)	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)	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)	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)	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)	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)	1 x HDMI, 1 x Audio Out (3.5mm)	1 x HDMI, 1 x Audio Out (3.5mm)	1 x HDMI, 1 x Audio Out (3.5mm)	1 x HDMI, 1 x Audio Out (3.5mm)	1 x HDMI, 1 x Audio Out (3.5mm)
Communication ports	1 x RS232 (RJ45), 1 x USB, 1 x LAN (RJ45) (1000M), 1 x RJ45 for service	1 x RS232 (RJ45), 1 x USB, 1 x LAN (RJ45) (1000M), 1 x RJ45 for service	1 x RS232 (RJ45), 1 x USB, 1 x LAN (RJ45) (1000M), 1 x RJ45 for service	1 x RS232 (RJ45), 1 x USB, 1 x LAN (RJ45) (1000M), 1 x RJ45 for service	1 x RS232 (RJ45), 1 x USB, 1 x LAN (RJ45) (1000M), 1 x RJ45 for service	1 x RS232 (RJ45), 1 x USB, 1 x LAN (RJ45) (1000M), 1 x RJ45 for service
Apps & Software						
Display Share	Included	Included	Included	Included	Included	Included
Optoma Management Suite	Supported (OMSC)	Supported (OMSC)	Supported (OMSC)	Supported (OMSC)	Supported (OMSC)	Supported (OMSC)
Split-screen	Built-in & 4 external HDMI sources	Built-in & 4 external HDMI sources	Built-in & 4 external HDMI sources	Built-in & 4 external HDMI sources	Built-in & 4 external HDMI sources	Built-in & 4 external HDMI sources

## Accessory: HQScene200 Specification (Optional)

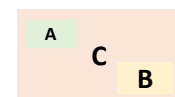
HQScene200	
Dimensions	440*348*50mm (L x W x H)
Weight	4.6kg
CPU	NXP i.MX8M Cortex®-A53, 1.5GHz
RAM	4GB
ROM	32GB
Power Supply	100 ~ 240 VAC, 50/60Hz
Power Consumption	Typical : <40W, standby : <0.5W
Operating Conditions	Operating temperature: 0°C to 40°C (ambient 25°C) and 5% to 95% non-condensing humidity
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 Audio Output: HI-FI stereo Line output (3.5mm)TRS, 2Vrms LAN: RJ45 for Telnet RS232: 2 ports USB: USB 2.0 Type A OTG for Wi-Fi dongle USB: USB 3.0 Type A Host for media playback
Features	Display Share System Control: OMS Screen Division: PIP/PBP 4K scaling Tiling Function (multi-source window display) Genlock Function



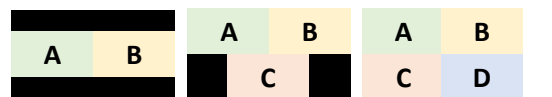
**Android Build-in**  
With Optoma UI and OMS (Optoma Management Suite)



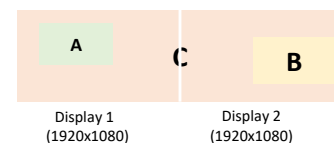
**Seamless Switch**  
True seamless switch for professional quality presentations



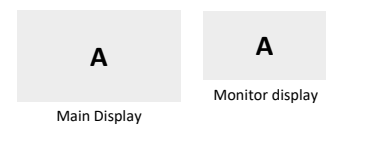
**PIP mode**



**3 PBP mode: 2/3/4 PBP**



**Splicing mode**  
Support splicing mode for 3840x1080



**Monitor out**  
Support 1 monitor display

