

Optoma PRO|SCENE



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All-In-One (AIO) direct view LED (dvLED)
Flip-chip COB (Chip On Board) displays

Corporate | Enterprise | Education | Hospitality | House of Worship



Smart. Seamless.

Product specification

	FHDC108	FHDC135	FHDC163	
Product Parameters	Size	108"	135"	163"
	LED type	COB Flip-Chip (Chip on board)		
	Pixel pitch (mm)	P1.25	P1.56	P1.87
	Aspect ratio	16:9		
	Resolution	1920 x 1080		
	Recommend viewing distance	≥ 8.2ft	≥ 10.5ft	≥ 12.5ft
	Maintenance mode	Front access		
	Installation mode	Wall mount, mobile stand		
	ME structure	4 pre-assembled columns	5 pre-assembled columns	6 pre-assembled columns
	LED tiles	128 tiles	200 tiles	288 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		94.49" x 53.15"	118.11" x 66.43"	141.73" x 79.72"
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 2.4GHz		
	RAM	8GB		
	Storage	64GB		
Connectivity	I/Os 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)	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, Power cord (3m)*		
	Spare LED tiles	4		
Power	Operation voltage	100-240Vac, 50/60Hz*		
	Standby power	≤0.5W		
	Power consumption (Average)	395W	490W	641W
	Power consumption (Max)	<1190W	<1460W	<2137W
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	95.70" x 58.09" x 1.22" (1.4" total mounted depth)	119.29" x 71.36" x 1.22" (2" total mounted depth)	142.91" x 84.65" x 1.22" (2" total mounted depth)
	Shipping (Wooden crate) dimensions L x W x H	Pallet 1 of 2: 62.87" x 40.75" x 36.61" Pallet 2 of 2: 82.83" x 23.46" x 20.04"	Crate 1 of 2: 75.2" x 30.31" x 48.03" Crate 2 of 2: 81.5" x 22.44" x 19.69"	Pallet 1 of 2: 62.4" x 53.94" x 50.79" Pallet 2 of 2: 82.83" x 23.46" x 20.04"
	Weight (shipping)	361.56 lbs. & 134.48 lbs	469.58 lbs. & 143.3 lbs	712.19 lbs. & 156.53 lbs
	Weight (product)	176.37 lbs (without wall mount)	242.5 lbs (without wall mount)	341.7 lbs (without wall mount)
	Warranty	3 Year limited warranty		
	UPC	796435 69 116 5	796435 69 091 5	796435 69 114 1

Accessories HQScene200

*110v power design requires at least a 15A dedicated circuit to power the 108" and 135" AIO dVLED at full brightness.

*200V - 240V power required for full brightness with FHDC163—500 nits max brightness @110V.

Dimensions	14.25" x 17.4" x 1.97" (LxWxH)
Weight	10.36 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



Front service



Sleek profile



Durable
*COB surface only



Durable
*COB surface only



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



Optoma Corporation