PRO|SCENE
COB dvLED Displays

Corporate | **Enterprise** | **Education** | **Retail & Hospitality** | **House of Worship**

COMPLETE ALL-IN-ONE DISPLAY SOLUTION

· **Streamlined setup:** Using lightweight LED columns, easy tile design, and power from a single, standard 110V outlet.[1,2]

· **Immersive audio:** 120-watt 6-speaker system to ensure everyone in the room hears every word.

· **Android 13 OS with pre-loaded apps:** Includes Optoma Management Suite (OMS®) and Display Share. OMS is designed to streamline operations by monitoring, diagnosing and controlling displays via the cloud or a local area network from a single intuitive platform. Connect any device and wirelessly broadcast, share or stream your content to the big screen with Display Share.
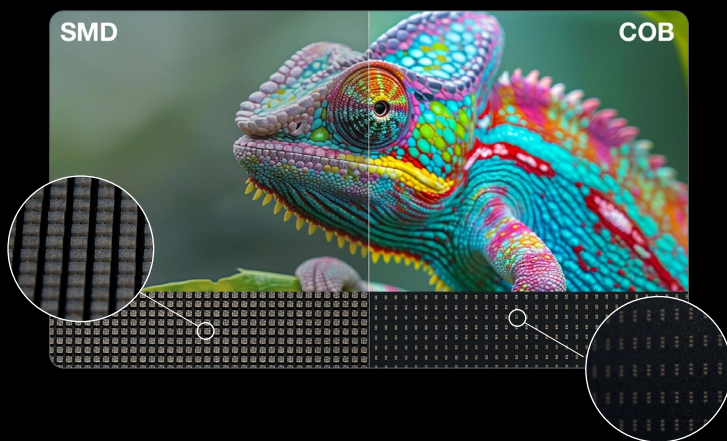
ROBUST Flip-chip COB (Chip on Board) dvLED TECHNOLOGY

· **Enhanced durability:** COB technology provides protection against impacts and improved resilience against dust and scratches when compared to SMD technology.

· **Longer life:** Flip-chip architecture removes wire-bonds, enhancing light-efficiency and improved heat dissipation, contributing to a longer life.

· **Pixel perfection:** COB LEDs provide a fine pixel pitch and outperforms SMD with unmatched clarity, brightness, and energy efficiency.

FLAWLESS IMAGE PRECISION & A SPECTRUM OF VIBRANT HUES

· **Vivid, lifelike colors:** Wide DCI-P3 color gamut delivers 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:** Exceptional clarity and depth, 15,000:1 contrast ratio and reduced screen tear, flickering and motion blur.

Product specifications

Product Parameters		FHDC135	FHDC163
Product Parameters	Size	135"	163"
	LED type	Flip-chip COB (Chip on board)	Flip-chip COB (Chip on board)
	Pixel pitch	1.56mm	1.87mm
	Aspect ratio	16:9	16:9
	Resolution	1920 x 1080	1920 x 1080
	Recommend viewing distance	≥ 10.5ft	≥ 12.5ft
	Maintenance mode	Front access	Front access
	Installation mode	Wall-mounting, mobile stand	Wall-mounting, mobile stand
	ME structure	5 dvLED columns	6 dvLED columns
	LED Tiles	200 tiles	288 tiles
	Tile size	6" x 6.79"	6" x 6.79"
	Display depth	1.22"	1.22"
Optical parameters	Brightness	700 nits	700 nits (requires 200V-240V power--500 nits max @110V)
	Refresh rate	3840Hz	3840Hz
	Gray scale	13-bit (native) 13+6 bit (software enhanced)	13-bit (native) 13+6 bit (software enhanced)
	Contrast	15000:1	15000:1
	Color temperature	2300~9300K (Adjustable)	2300~9300K (Adjustable)
	Color gamut	DCI-P3: 92.42%, Rec. 709: 99.36%	DCI-P3: 92.42%, Rec. 709: 99.36%
	Viewing angle	Horizontal 165° Vertical 165°	Horizontal 165° Vertical 165°
	LED lifespan	≥100,000hrs	≥100,000hrs
System parameters	Operating system	Android 13.0	Android 13.0
	CPU	Four Cortex-A76+ four Cortex-A55, frequency 2.4GHz	Four Cortex-A76+ four Cortex-A55, frequency 2.4GHz
	RAM	8GB	8GB
	Storage	64GB	64GB
Connectivity	IOs	Inputs 3x HDMI 1.4, 1x HDMI 2.0 (4K compatible), 1x USB Type C (Data: 5V, 1A), 2x USB 3.0, 1x Audio In (3.5mm), 1x RS232 (RJ45) Outputs 1x HDMI Out, 1x Audio Out (3.5mm), 1x USB Out	Inputs 3x HDMI 1.4, 1x HDMI 2.0 (4K compatible),1x USB Type C (Data: 5V, 1A), 2x USB 3.0, 1x Audio In (3.5mm), 1x RS232 (RJ45) Outputs 1x HDMI Out, 2x Audio Out (3.5mm), 1x USB Out
General	Speakers	30W*2 (Front), 15W*2 (Left), 15W*2 (Right)	30W*2 (Front), 15W*2 (Left), 15W*2 (Right)
	In the box	Remote control, Tile removal tool, Magnetic front plate removal tool, Wall mount bracket, Power cord (3m)*	Remote control, Tile removal tool, Magnetic front plate removal tool, Wall mount bracket, Power cord (3m)*
Power	Operation voltage	100~240Vac, 50/60Hz[1]	100~240Vac, 50/60Hz[2,3]
	Standby power	≤0.5W	≤0.5W
	Power consumption (Average)	490W	641W
	Power consumption (Max)	<1460W	<2137W
Environmental parameters	Operation temperature Operation humidity	-10°C~40°C 10%~80%RH No condensation	-10°C~40°C 10%~80%RH No condensation
	Intended installation environment	Indoor only	Indoor only
Weight (not inclusive of wall-mount/stand) and dimensions	Dimensions (overall size) W x H x D Dimensions (display area) W x H	119.29" x 71.36" x 2" 118.11" x 66.44"	142.91" x 84.65" x 2" 141.73" x 79.72"
	Shipping (Wooden crate) dimensions L x W x H	Crate 1 - 75.2" x 30.3" x 48" Crate 2 - 81.5" x 22.5" x 19.7"	Pallet 1 - 62.40" x 53.94" x 48.27" Pallet 2 - 82.68" x 23.43" x 19.25"
	Weight (per column)	36.38 lbs	36.38 lbs
	Weight (shipping)	469.6 lbs & 143.3 lbs	661.39 lbs & 149.91 lbs
	Weight (product)	242.5 lbs	341.71 lbs
	Warranty	3 Year limited warranty	3 Year limited warranty
	UPC	796435 69 091 5	796435 69 114 1

[1] 110v power design requires at least a 15A dedicated circuit to power the FHDC135 at full brightness.
[2] 110v power design requires at least a 15A dedicated circuit to power the FHDC163 at 500 nits brightness (70%).
[3] FHDC163 requires at minimum 15A service @220V display full brightness.

Seamless splicing Advanced heat dissipation Energy efficient Powered by Android 13 120W built-in speakers Front serviceable Sleek profile Durable COB tile surface**

IP65

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

Optoma Technology

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