



Optoma FHDC135 COB All-in-One LED Display

Corporate Enterprise | Education | Retail & Hospitality | HOW

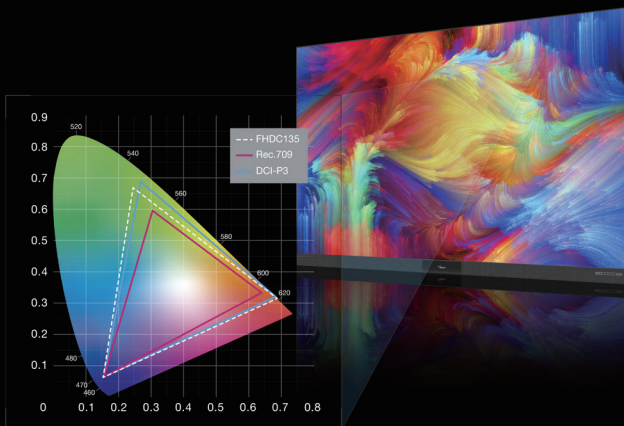


ROBUST COB LED TECHNOLOGY

- **Energy efficient:** Advanced heat dissipation cuts power consumption by 40% compared to standard SMD LED's.
- **Enhanced durability:** Water, dust, and collision-resistant for reliable, long-lasting performance.
- **Superior viewing:** COB technology minimizes pixilation for a crisp, detailed viewing experience and smooth color transitions.

COMPLETE SOLUTION IN AN ALL-IN-ONE DISPLAY

- **Versatile installations:** Compatible with both wall & stand mounting options.
- **Pre-assembled LED columns:** Lightweight and slim design for easy transport and setup (just 16.5kg and 31mm deep).
- **Easy front-access maintenance:** Safe and reliable using a magnetic tool that supports quick maintenance work.



FLAWLESS IMAGE PRECISION & A SPECTRUM OF VIBRANT HUES

- **Vivid, lifelike colors with a wider color gamut:** >92% DCI-P3 and > 99% Rec.709 delivering rich and vibrant visuals.
- **High Refresh Rate:** 3840Hz refresh rate ensures smooth motion with reduced screen tearing, flickering and motion blur.
- **High Contrast Ratio:** Exceptional clarity and depth, even in bright environments with 15,000:1 contrast ratio.

ENHANCE YOUR DISPLAY EXPERIENCE WITH OPTOMA SOLUTIONS SUITE® & OPTOMA MANAGEMENT SUITE®



Optoma Solution Suite



Simple to get started



Real-time collaboration



Integrated & synchronized



Effortless & seamless

For Education / Corporate



Whiteboard



DisplayShare



FileManager



Optoma Management Suite



Remote monitoring



Signage



Control & scheduling

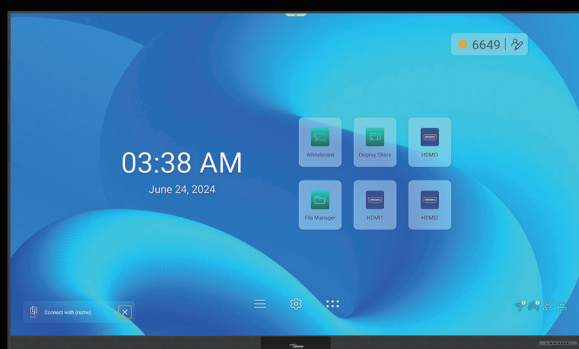


Multimedia broadcast

For IT Managers / Service Providers

INTEGRATED SMART FEATURES FOR VERSATILE USE

The FHDC135 seamlessly integrates with Optoma Hyve or HQScene200.



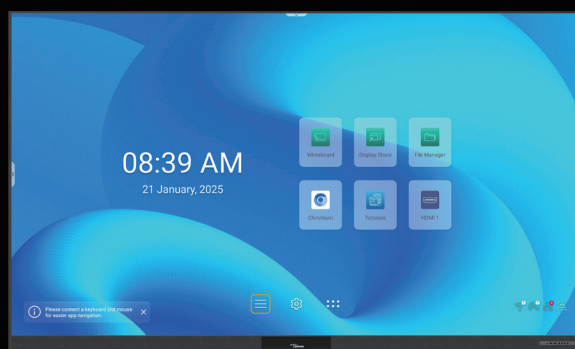
HDMI

RS232



HQScene200

Optoma HQScene200 enhances the FHDC135 with powerful display management. Enjoy splicing mode, 4K compatibility, and signal synchronization for seamless multi-screen setups. With PIP, PBP, and Quad View, you can manage multiple sources effortlessly. Powered by OSS and OMSC, it offers smart, centralized control for corporate environments, educational institutions, command centers, and exhibitions.



HDMI

RS232



Optoma Hyve

Optoma Hyve for centralized control and monitoring through OMSC™, while OSS™ enables wireless display sharing and file management. Ideal for meeting/conference rooms, classrooms, collaborative working.

* Optoma Management Suite and Optoma Solution Suite Cloud software are available exclusively with the purchase of a LED display bundled with either the Optoma Hyve or HQScene200.

**All images in this datasheet are for illustrative purposes only and may differ from the actual product.

Find out more about
OMS OSS info



Product specification

FHDC135

LED Type	Flip Chip COB (Chip on Board)
Pixel Pitch	P1.56
Resolution	1920X1080
Brightness	700 nits
Contrast Ratio	15,000:1
Power Supply	100-240 VAC, 50/60Hz, max 1500W
Refresh Rate	3840Hz
Screen Size	3030 x 1812.5 x 31 mm
Module Size	152.5 x 171.5 mm
LED Module	20 x 10 (total 200)
ME Structure	5 LED columns
Splicing	Yes (with HQScene200 and additional frame kits)
Video Ports	HMDI 1.4 In x3, HDMI 2.0 In x1 (4K compatible), HDMI Out x1
Data Ports	USB Type C x1 (5V,1A), USB 3.0 x2
Audio Ports	Audio In (3.5mm) x1, Audio Out (3.5mm) x1
Communication Ports	RS232 (RJ45) x1, USB Out x1
Operating System	Android 13
Speakers	30W*2 (front); 15W*2 (left); 15W*2 (right)
Package	Wooden case/flight case
Standby	<0.5W

Accessories

HQScene200

Dimensions	440*348*50mm(LxWxH)
Weight	4.6kg
CPU	NXP i.MX8M Cortex®-A53, 1.5GHz
Flash	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 Genlock: Genlock support IR Input: External IR input (3.5mm)TRS Audio Output: HIFI stereo Line output (3.5mm)TRS, 2Vrms LAN: RJ45 for Telnet USB: USB 2.0 Type A OTG for Wi-Fi dongle or others USB: USB 3.0 Type A Host for media playback
Features	Display Share System Control: OMS Screen Division: PIP/PBP 4K scaling Tiling Function Genlock Function
Mounting	Rack/Floor Stand

Optoma Hyve

SOC	Dual-core Cortex-A72 up to 1.8 GHz Quad-core Cortex-A53 up to 1.4 GHz	
RAM	4GB	
Storage	32GB	
I/Os	1x HDMI IN	up to 4K 30Hz
	1x HDMI OUT	up to 4K 60Hz
	1x RS232	3.5 mm mini jack
	1x RJ45	1000Mbps, with POE 25W
	1x USB 3.0 Type-C	Not support charging function
	1x USB 3.0 Type-A	For USB Device Do not support "USB Software Upgrade" via USB flash
	2x USB 2.0 Type-A	For USB Device
Operating System	Android 10	
DC Input	12V/1.5A	
Dimensions	135 x 135 x 35 mm	
Features	Optoma Solution Suite Optoma Management Suite	



Seamless
splicing



Heat
dissipation



Energy
efficient



Powered by
Android 13



120W built-in
speakers



Front service



Sleek profile



Durable



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



Optoma Corporation