

ProScene FHDC163

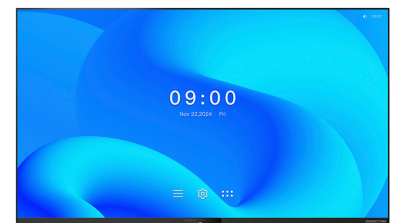
All-in-One 163" Direct View LED Display



A streamlined, all-in-one 163" Full HD direct view LED display designed for fast setup, brilliant visuals, and long-term durability.

Full HD display with 700 nits brightness

- 15,000:1 contrast ratio, and 3840Hz refresh rate for stunning, smooth large-format visuals
- Flip-Chip COB LED for a seamless surface, improved durability, and energy efficiency
- Quick installation with pre-assembled columns and simple one-cord power setup
- Front-accessible, hot-swappable tiles for fast, hassle-free maintenance
- Built-in Android OS, Optoma Management Suite Cloud (OMSC) and Display Share for smart content and display control
- Powerful 120W built-in sound system for immersive audiovisual performance



Specification



Product parameters

Screen size	163"
LED type	COB Flip-Chip (chip on board)
Pixel pitch (mm)	1.87
Resolution	1920x1080
Recommended viewing distance	≥ 3.8m
Installation mode	Wall-mount, floor stand, motorized stand
Number of tiles	288
Assembly structure	6 LED columns
LED tile dimension	150 mm x 168.75 mm / 5.9" x 6.64"

Optical parameters

Brightness (max)	500 nits (100~110V), 700 nits (200~240V)
Refresh rate	3840Hz
Gray scale	13 ~ 16 bit
Contrast ratio	15000:1
Color temperature	2300~9300K (Adjustable)
Color gamut	DCI-P3: 92.42%, Rec. 709: 99.36%
HDR support	NA
Viewing angle (H x V)	Horizontal 165°, Vertical 165°
Bit depth	13-bit hardware + 6-bit software
LED lifespan (hours to half brightness)	100,000 hours

System parameters

Operating system	Android 13.0
CPU	Four Cortex-A76 + four Cortex-A55, frequency 2.4 GHz
RAM	8 GB LPDDR4
Storage	64 GB

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)
Outputs	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

Specification

Multimedia support

Image	JPEG/JPG/BMP/GIF/PNG
Audio	MP2/MP3/WAV/FLAC/AAC/M4A
Video	3GP/AVI/FLV/MKV/MOV/MP4/MPG/TS/WEBM

Audio/Sound

Speaker count & Watts per speaker	2 x 30 W (front); 2 x 15 W (left); 2 x 15 W (right)
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Environmental parameters

Operation temperature	-10°C ~ 40°C
Operation humidity	10% ~ 80% RH, no condensation
IP rating	IP65 (front)

Power

Input power range	AC 100 ~ 240 V, 50 ~ 60Hz
Standby power	≤0.5 W
Power consumption (average)	641 W
Power consumption (max)	2137 W

Applicable software

Optoma Management Suite	Yes (OMSC)
Display Share	Yes

Weight and dimensions

Dimensions (overall size) W x H x D	3630.8 mm × 2150.4 mm x 31 mm / 142.94" x 84.66" x 1.22" (51 mm / 2" total mounted depth)
Dimensions (display area) W x H	3600 mm × 2025 mm / 141.73" x 79.72"
Weight (per column/per screen)	16.5 kg /155 kg (36.38 lbs / 341.41 lbs) without wall mount brackets

Specification

Shipping

Dimensions (cabinet, tiles) W x H x D	1550 mm x 1330 mm x 1215 mm / 61.02" x 52.36" x 47.83"
Gross weight (cabinet, tiles)	323 kg / 712.09 lbs
Dimensions (system box, wall mount) W x H x D	2064 mm x 556 mm x 497 mm / 81.26" x 21.88" x 19.56"
Gross weight (system box, wall mount)	71 kg / 156.53 lbs

Certifications

Safety	CB, ETL
EMC	CE, FCC
Environment	RoHS, REACH, WEEE

Warranty & Maintenance

Warranty	By region
Maintenance	Front access

Standard accessories

Spare LED tiles	8
Wall mount bracket	1
Front tile puller	1
System control box maintenance tool	1
Power cord	4
Remote control	1
USB flash drive (user manual, installation guide)	1

Optional accessories

Image processor box	HQScene200
Floor stand	LST02
Motorized stand	MLST01
Wi-Fi module	SI07E