

APOLLO OUTDOOR FULL-COLOR SMD LED VIDEO WALL – P23.9 HIGH-BRIGHTNESS DIGITAL DISPLAY

Model: Apollo P23.9 Outdoor SMD LED

Generated On: August 31, 2026

Key Features

- Ultra-High 6,000-Nit Brightness
- P23.9 SMD LED Technology
- 7,680 Hz High Refresh Rate
- Rugged Outdoor Protection
- HDR10 & 16-Bit Grayscale
- Modular & Service-Friendly Design

Technical Specifications

Specification	Details
Product Type	Outdoor Full-Color SMD LED Video Wall
Model	Apollo P23.9
Application	Outdoor Full-Color SMD LED Video Wall
Active Display Area	22 ft × 12 ft 7 in
Pixel Pitch	P23.9 mm
LED Type	SMD Outdoor LED with Black-Face Technology
Module Size	320 × 160 mm (Standard)
Cabinet Size	960 × 960 mm
Cabinet Material	Die-Cast Aluminum
Display Size Configuration	Suitable arrangement to achieve required display size
Cabinet Design	Standard Modular LED Bar/Module Design

Specification	Details
Locking System	Industrial-grade modular locking system with quick-lock mechanism and precision alignment
Structure	Heavy-duty wall-mounted / hanging galvanized steel structure with anti-corrosion coating
Safety	Wind-load analysis, seismic consideration, and certified safety factor
Service Access	Front and Rear Service Access
Brightness	6,000 nits
Refresh Rate	7,680 Hz
Gray Scale	16-bit
Contrast Ratio	10,000:1
Viewing Angle	160° (H) / 140° (V)
Front Protection	IP65
Rear Protection	IP54
HDR	HDR10 Supported
Frame Rate	30/60 Hz with High Frame Rate Support
Lifespan	Up to 100,000 Hours
Video Processor	Professional LED video processor with scaling and seamless switching
Input Interfaces	HDMI 2.0, DisplayPort, DVI, SDI, USB, RJ45
Signal Sources	Live Video, IPTV, RTSP/RTMP, Multimedia Playback Supported
Control & Monitoring	Remote Control & Monitoring via LAN/WAN
Management Software	Centralized Web-Based Management Software
Redundancy	N+1 Receiving Card, Controller, and Power Supply Redundancy
Protection Features	Surge Protection, Lightning Protection & Earthing System
Operating Temperature	-20°C to +50°C
Power Supply	AC 100–240V, 50/60Hz

Specification	Details
Certifications	CE, FCC, RoHS