

# AP2 Max Series

Indoor Foldable LED Display Banner - P1.2, P1.5, P1.8, P2.5



Flexible Folding



Amazing Display Capability



Full Screen Image



100,000h Lifespan



14bits~22bits

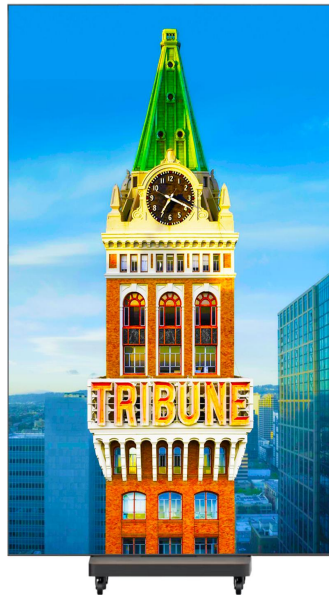


≥3840Hz-7680Hz

# Revolutionary Foldable Design



Double-sided Folding



Unfolded Banner One Side

**Space-Optimized Engineering:** Patented tri-fold mechanism reduces transport and storage footprint by over 50%, slimming the cabinet profile significantly.

**Seamless Transportation & Setup:** Engineered for effortless mobility and rapid deployment in dynamic environments. Integrated wheel system ensures smooth, stable relocation.

**Structural Integrity:** Precision-machined locking bolts and reinforced panels guarantee perfect alignment and rigidity in both operational and transport configurations, eliminating the risk of damage.

## Practical design and versatility

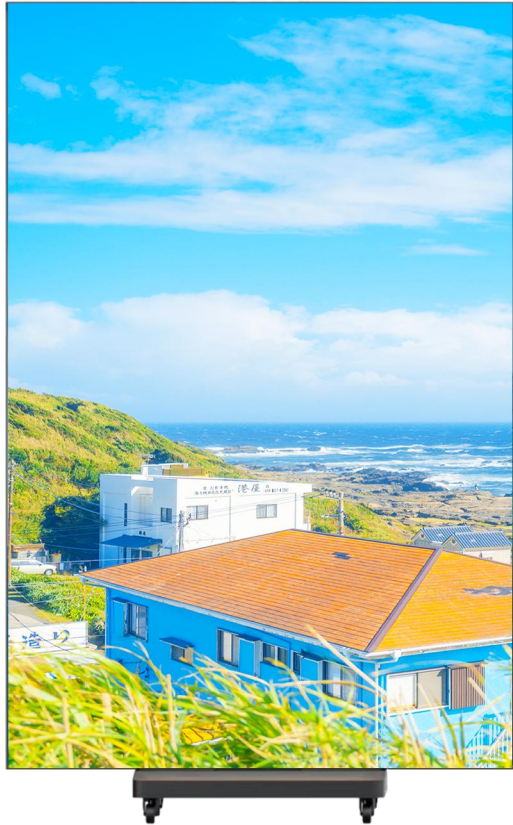
**Dual-Sided & Single-Sided Versatility:** Maximize audience engagement with dual-sided content or create a larger, seamless single-sided canvas (1280x1920mm).

**Ultra-Lightweight & Thin Profile:** Advanced aluminum profile construction offers superior heat dissipation and a robust yet lightweight frame.

**True Plug-and-Play Operation:** Rapid setup with intuitive integration. Designed for simplicity without sacrificing professional capability.

**Modular Cascading System:** Optional seamless inter-poster connectivity creates expansive, continuous video walls without visible bezels or interruptions.





# Superior Visual Performance

**Exceptional Image Clarity:** Fine pixel pitch technology delivers stunningly sharp and detailed imagery, even at close viewing distances.

**High Refresh Rate ( $\geq 3840$ -7680Hz):** Eliminates screen flicker and ensures crystal-clear capture for photography and video recording, perfect for event and broadcast applications.

**Advanced Color Processing (14-22bit):** Achieves superior color depth and smooth grayscale performance, reproducing content with exceptional accuracy and vibrancy.

**Ultra-Wide Viewing Angle (160°/160°):** Maintains consistent brightness, color, and contrast across a broad audience perspective.

## Operational Efficiency & Reliability

**High Energy Efficiency:** Maximum power consumption of  $\leq 1200\text{W/unit}$  with an average of  $\leq 400\text{W/unit}$ , significantly reducing operational costs.

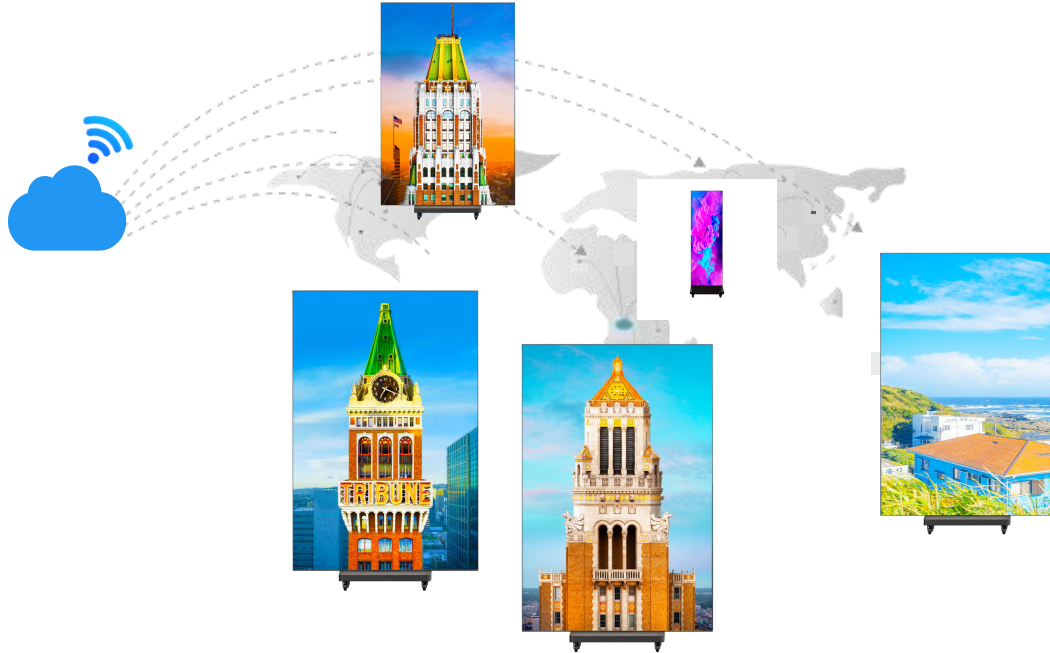
**Extended Product Lifespan:** Engineered for high-duty-cycle operation with a rated LED lifespan of up to 100,000 hours, ensuring long-term value.

**Robust Environmental Tolerance:** Stable operation across a wide range of conditions ( $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ ; 10% to 90% humidity).

**IP65(Front) Indoor Protection:** Safeguards against accidental contact with dust and falling liquids.



## Intelligent Control & Connectivity



**Centralized Cloud Management:** Remotely manage content, schedule playlists, and monitor status across multiple displays from a single, unified platform via network connection.

**Dedicated Mobile Application:** Offers complete control and content from a smartphone or tablet for ultimate operational flexibility.

**Seamless Splicing Technology:** Advanced calibration allows for perfect, bezel-free alignment when multiple units are combined, creating a truly continuous large-format display.

**Multi-Source Input Compatibility:** Supports a wide array of standard and high-definition video input signals for effortless integration with existing media systems.

# Applications

**Retail Environments & Point-of-Sale:** Dynamic promotional messaging and product highlighting.

**Exhibitions & Trade Shows:** Captivating booth designs and brand experiences.

**Corporate Lobbies & Events:** Wayfinding, welcome messages, and corporate branding.

**Shopping Malls & Arenas:** High-impact advertising and event information.

**Stage & Broadcast:** Portable and high-quality backdrop for live events and productions.



Item	P1.2	P1.5	P1.8	P2.5
Pixel Pitch	1.25mm	1.538mm	1.86mm	2.5mm
LED Type	SMD 1010	SMD 1212	SMD 1515	SMD 2020
Module Resolution	256dots × 128dots	208dots × 104dots	172dots × 86dots	128dots × 64dots
Driving Mode	1/64scan	1/52scan	1/43scan	1/32scan
Module Pixels	32,768dots	21,632dots	14,792dots	8,192dots
Module Size	320mm × 160mm	320mm × 160mm	320mm × 160mm	320mm × 160mm
Panel display Size	640mm × 1920mm folded/1280mmx1920mm unfolded	640mm × 1920mm folded/1280mmx1920mm unfolded	640mm × 1920mm folded/1280mmx1920mm unfolded	640mm × 1920mm folded/1280mmx1920mm unfolded
Panel display Resolution	512dots × 1536dots folded	416dots × 1248dots folded	344dots × 1032dots folded	256dots × 768dots
Pixel Density	640,000dots/m <sup>2</sup>	422,753dots/m <sup>2</sup>	289,050dots/m <sup>2</sup>	160,000dots/m <sup>2</sup>
Minimum Viewing Distance	≥1.2 m	≥1.5 m	≥1.8 m	≥2.5 m
Brightness	600-800nits	600-800nits	600-800nits	600-800nits
IP Grade	IP65(Front), IP43 (Back)	IP65(Front), IP43 (Back)	IP65(Front), IP43 (Back)	IP65(Front), IP43 (Back)
Refresh Rate	≥3840Hz-7680Hz	≥3840Hz-7680Hz	≥3840Hz-7680Hz	≥3840Hz-7680Hz
Gray Scale	14bits~22bits	14bits~22bits	14bits~22bits	14bits~22bits
Viewing Angle	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°
Maximum Power Consumption	≤1200W/unit	≤1200W/unit	≤1200W/unit	≤1200W/unit
Average Power Consumption	≤400W/unit	≤400W/unit	≤400W/unit	≤400W/unit
Input Voltage	AC110V-AC220V @ 50Hz / 60Hz	AC110V-AC220V @ 50Hz / 60Hz	AC110V-AC220V @ 50Hz / 60Hz	AC110V-AC220V @ 50Hz / 60Hz
Operating Temperature	- 20℃~60℃	- 20℃~60℃	- 20℃~60℃	- 20℃~60℃
Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%
Cabinet Material	Aluminum profile	Aluminum profile	Aluminum profile	Aluminum profile
Weight of Machine	76kg/pc	76kg/pc	76kg/pc	76kg/pc
Dimension of Machine	640mm(w) x2700mm(h) folded	640mm(w) x2700mm(h) folded	640mm(w) x2700mm(h) folded	640mm(w) x2700mm(h) folded
Operating System	Windows	Windows	Windows	Windows
Signal Source Compatibility	HDMI,WIFI,etc.	HDMI,WIFI,etc.	HDMI,WIFI,etc.	HDMI,WIFI,etc.