

LED Poster Displays

Self-emitting LED posters in a slim cabinet: indoor, outdoor IP65, foldable and ultra-slim double-sided versions.

Indoor LED Poster XN-LP640

For indoor viewing distances of roughly 1.5 to 10 metres. Finer pitch (P1.25 / P1.53) suits close-up retail; P2 / P2.5 suits atriums and larger rooms.

Cabinet size	640 x 1920 mm (approx. 2 ft x 6.3 ft)
Pixel pitch	P1.25 / P1.53 / P1.86 / P2.5
Brightness	800-1000 nits, 0-100% adjustable
Refresh rate	3840 Hz
Frame update frequency	50-60 Hz
Scan mode	1/64
Viewing angle	H 140 deg / V 140 deg
Minimum viewing distance	2 m
Brightness correction	Pixel, module and cabinet level
Control system	Nova or Xixun asynchronous; USB and HDMI inputs
Ingress protection	IP45 (front and back)
Input voltage	AC 100-240 V, 50/60 Hz
Power consumption	Average 300 W, max 900 W
Operating life	100,000 hours
Warranty	24 months, all parts

Indoor LED poster - nominal cabinet resolution by pixel pitch

Pixel pitch	Cabinet resolution	Pixel density	Typical use
P1.25	512 x 1536	640,000 /m2	Close viewing under 2 m, premium retail
P1.53	418 x 1255	422,500 /m2	Boutique windows, reception desks
P1.86	344 x 1032	288,906 /m2	General retail and showrooms
P2.5	256 x 768	160,000 /m2	Atriums and longer indoor viewing

Outdoor LED Poster XN-LPO640

Built for direct sunlight and street-level weather. 6500 cd/m2 stays legible at midday, an all-aluminium one-piece cabinet sheds heat and weight, and the IP65 enclosure handles rain, dust and hose-down cleaning.

Display size	640 x 1920 mm
Pixel pitch	P2 / P2.5 / P3.076
Brightness	6500 cd/m2
Contrast ratio	5000:1
Refresh rate	>= 3840 Hz
Ingress protection	IP65
Cabinet weight	61 kg
Average power	450 W/m2 (max 1000 W/m2)
Maintenance	Front and rear service
Control	Wi-Fi / USB / LAN / cloud / 5G optional
Working temperature	-30 to 60 C
Lifespan	100,000 hours

Outdoor LED poster - specification by pixel pitch

	P2	P2.5	P3.076
LED type	SMD1415	SMD1415	SMD1415
Pixel density	250,000	160,000	105,600
Brightness (cd/m2)	6500	6500	6500
Scan rate	1/20	1/16	1/13

Foldable LED Poster XN-FP640

A 640 x 1920 mm LED poster that folds in half. Transport volume drops by about 50%, and when folded it becomes a double-sided screen that can show the same or different content on each face.

Cabinet size	640 x 1920 mm
Pixel pitch	P1.25 / P1.56 / P1.86 / P2 / P2.5
Brightness	800-1500 nits, adjustable
Refresh rate	>= 3840 Hz
Viewing angle	160 / 160 deg
Contrast ratio	>= 5000:1
Grey scale	14 bit (14-16 bit colour processing)
Cabinet material	Die-cast aluminium alloy
Surface	GOB protection
Protection level	IP40 (front, indoor use)
Mobility	Integrated rolling wheels
Maintenance	Front service
Input voltage	AC 110-240 V, 50/60 Hz
Power consumption	Average 200-300 W, max <= 600 W per cabinet
Control	Mobile app (Android / iOS) / USB / wired
Connectivity	Wi-Fi / LAN / USB
Operating temperature	-10 to +40 C
Transport case	1-in-1 or 2-in-1 flight case

Foldable LED poster - nominal cabinet resolution by pixel pitch

Pixel pitch	Cabinet resolution	Application
P1.25	512 x 1536	Close viewing, premium retail
P1.56	410 x 1231	Close to mid-range viewing
P1.86	344 x 1032	General indoor retail
P2	320 x 960	Mid-distance indoor
P2.5	256 x 768	Cost-effective indoor and events

Double-Sided LED Poster XN-DP640

Two screens back to back in a 53 mm cabinet, each face controlled independently - so one side can run a promotion while the other runs branding. Built for places where footfall flows in both directions.

Cabinet depth	53 mm
Standard modules	1000 x 250 mm / 750 x 250 mm / 500 x 250 mm
Popular sizes	1000 x 2000, 750 x 2000, 500 x 2000, 750 x 1500 mm
Pixel pitch	P1.25 / P1.56 / P1.95 / P2.5 / P2.604 / P2.976 / P3.91
Brightness	600-1000 nits
Contrast ratio	5000:1 to 10000:1
Refresh rate	>= 3840 Hz
Viewing angle	160 / 160 deg
Grey level	14 / 16 bit
Cabinet material	Aluminium alloy, die-cast
Cabinet weight	About 7 kg for a 1000 x 250 mm panel
Power consumption	Average 100-200 W/m2, max 350 W/m2
Input voltage	AC 90-264 V, 47-63 Hz
Maintenance	Front access, magnetic modules
Protection level	IP30 / IP31 (indoor)
Control	4G / Wi-Fi / USB / LAN / cloud; Novastar sync and async
Working temperature	-20 to +60 C
Certification	CCC / CE / RoHS / FCC / CB / TUV / IEC

Ultra-slim double-sided series - nominal resolution by pixel pitch

Pixel pitch	Resolution (1000 x 2000 mm)	Physical density	Typical use
P1.25	800 x 200	640,000 /m2	Very close viewing, luxury retail
P1.56	640 x 160	409,600 /m2	Close viewing, boutiques
P1.95	512 x 128	262,144 /m2	Retail corridors
P2.5	400 x 100	160,000 /m2	Mall walkways, airports
P2.976	336 x 84	112,896 /m2	Longer indoor viewing
P3.91	256 x 64	65,536 /m2	Large-format indoor