VANGUARD
LED DISPLAYS

27"

Axion

pitch	0.9	1.2	1.5	1.8	2.5	3.7
pixel tech	SMD	SMD	SMD	SMD	SMD	SMD

ideal for

Indoor, fixed 16:9 and 32:9 displays
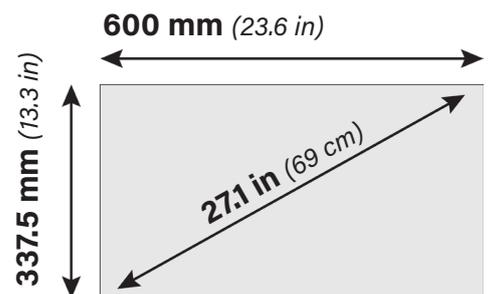
summary

Axion is the best solution for indoor, fixed 16:9 displays. Covering the industry's most popular pitches for this application, Axion utilizes SMD pixels as standard, and can have an optional epoxy masking or coating applied to provide enhanced durability. Gold bonding wire is also available.

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Axion is available with standard 600x337.5 panels, and 300x337.5 half-width panels allowing for smaller design units, and narrower facets for curved displays.

special configurations

TAA CLASS compliant configuration

ECO CLASS low heat and power

SHINE high-bright configuration

LITE budget configuration

dimensions

600 mm *(23.6 in)*

337.5 mm *(13.3 in)*

27.1 in (69 cm)

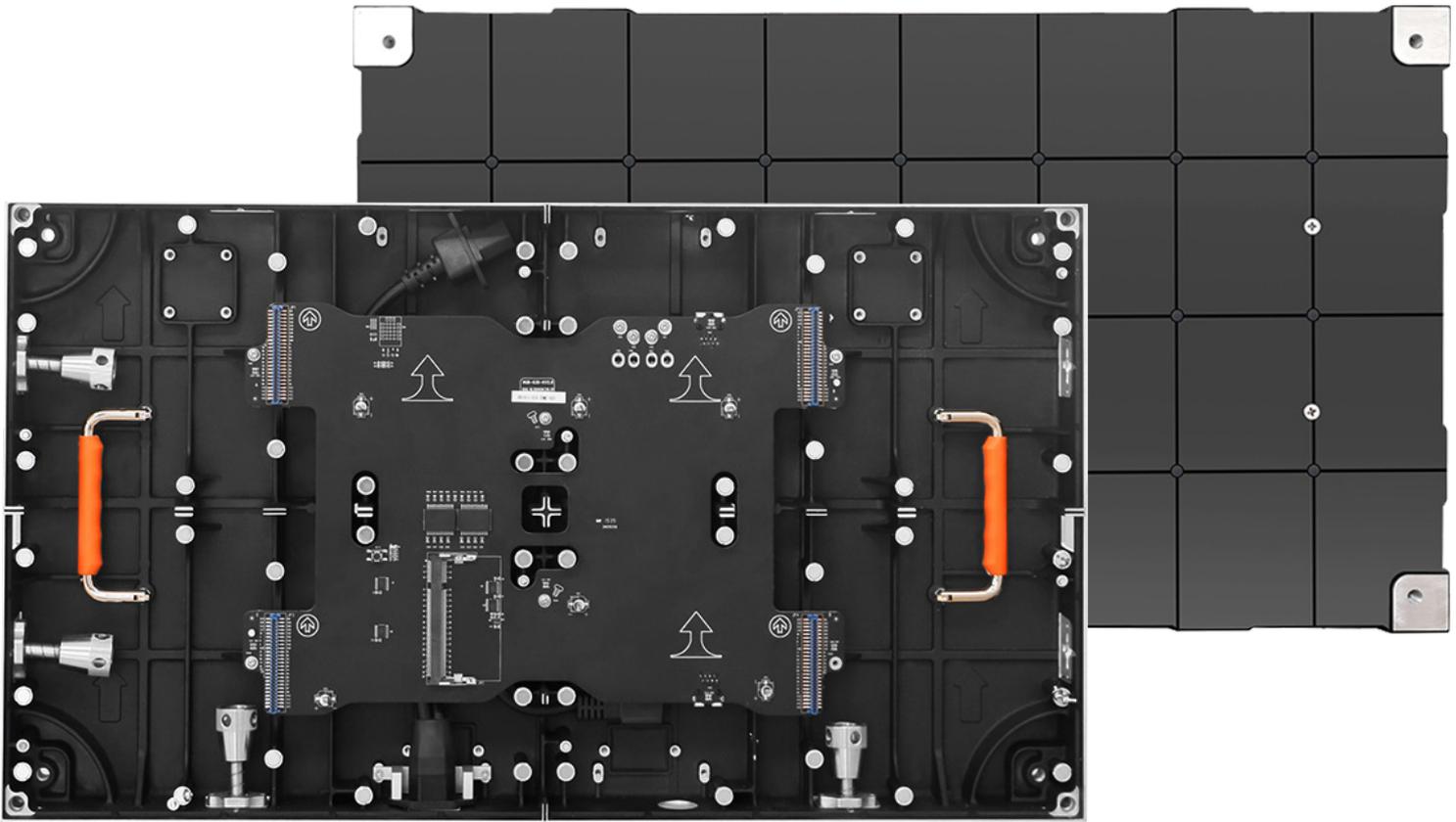| aspect ratio	weight
16:9	7.7 kg (17 lbs)
max brightness	IP rating
1,200 nits	IP41

optional

- Protective epoxy masking or coating
- IMD or MIP pixels at select pitches
- Cosmetic/protective edge trim
- 45-degree edges for corner displays
- Connecting plates

- Headers for hanging/flying
- Embedded controller
- Mobile cart, up to 5x5 panel array
- Flight cases
- Hydrophobic treatment

- Dual receiving cards for data redundancy
- Dual power supplies for power redundancy
- Remote AC>DC power conversion

maximum brightness (nits)		up to 1,200	bonding wire	Copper
dimensions	WIDTH	600 mm (23.6 in)	power common	Anode
	HEIGHT	337.5 mm (13.3 in)	watts per panel	132W max (46W average)
	DEPTH	58 mm (2.3 in)	watts per sq m	650W max (228W average)
panel aspect ratio		16:9	max amps per cascade	10
panel weight		7.7 mm (17 in)	operating voltage	100-240V AC, 50/60 Hz
modules per panel		up to 4 per panel	operating temperature	-10°C - +40°C
viewing angle	HORIZONTAL	160°	maximum heat	up to 295.97 BTU/hr
	VERTICAL	160°	humidity	10% - 80%, non-condensing
led lifetime* (hrs)		100,000	ip rating	IP41
contrast		up to 6,000:1	frame material	Die-cast Aluminium
drivers		ICN 2153, ICN1069	hanging and stacking	15 hanging max | 30 stacking max
scan rate		1/27, 1/30, 1/60	rear bolt threading	M8
processing depth (bits)		14 default (10-16 range)	power connectors	C13/C14
refresh rate (hz)		3,840 default (3840-7680 range)	data connectors	RJ45
frame rate		60 default (50, 60, 120 options)	service access	Front
color temperature		7,500 default (2000-12000 range)	warranty	5 year (up to 7 available)
color gamut		N/A	certifications	EMC-B, CCC, FCC, ETL, LVD, CE, RoHS, CB, PSE

supported controllers

Vanguard LED DISPLAYS — 1G 5G | NOVASTAR — 1G 5G | BROMPTON TECHNOLOGY — 1G 5G