VANGUARD
LED DISPLAYS

27"

Invictus

pitch	0.6	0.7	0.9	1.2	1.5
	COB	COB	COB	COB	COB
pixel tech					

ideal for
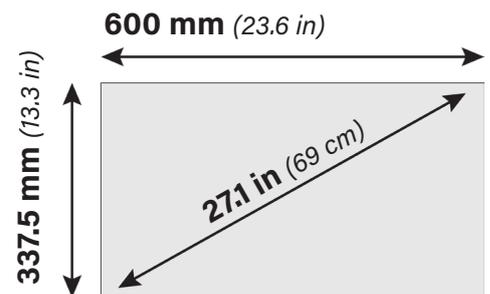
Cool touch and close audience

summary

Invictus is **durable** by design, creating the strongest dvLED display available. **Chip-on-board** pixel technology allows for super-fine pixel pitch without the fragility associated with standard dvLED pixels at fine-pitch.

Invictus is **highly power efficient** with flip-chip power handling and common cathode technology. Flip-chip technology eliminates the need for a gold or copper bonding wire, reducing both the power draw and heat generated through operation.

special configurations

TAA CLASS compliant configuration

SHINE high-bright configuration

dimensions

600 mm (23.6 in)

337.5 mm (13.3 in)

27.1 in (69 cm)

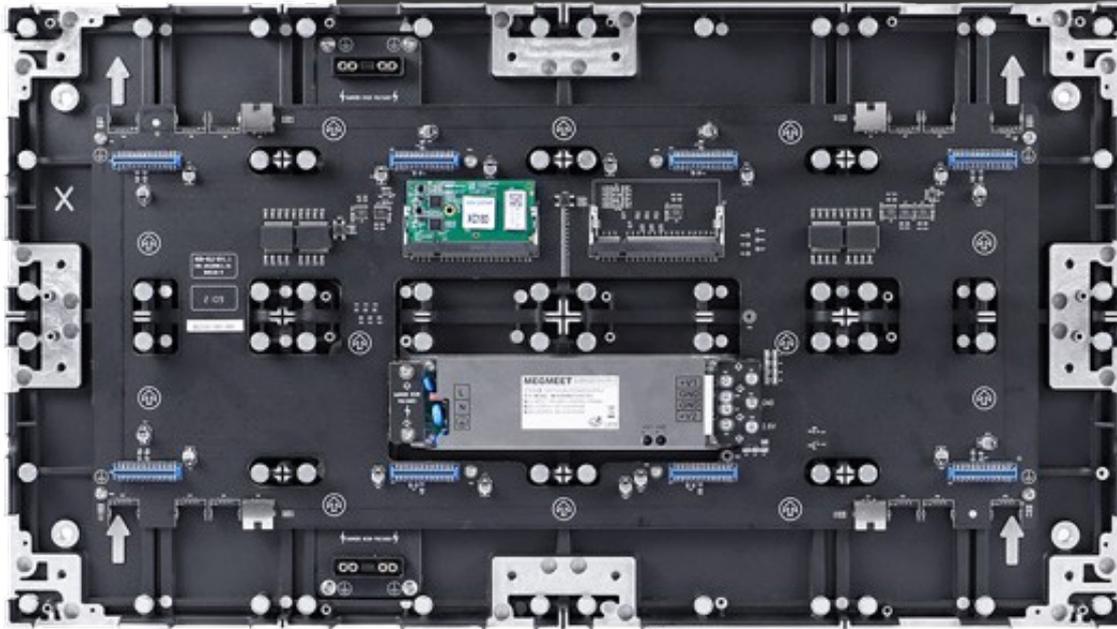| aspect ratio	weight
16:9	4.7 kg (10.3 lbs)
max brightness	IP rating
1,000 nits	IP31

optional

- Cosmetic/protective edge trim
- 45-degree edges for corner displays
- Connecting plates
- Mobile cart, up to 6x6 panel array
- Flight cases
- Hydrophobic treatment
- Remote AC>DC power conversion

Custom power cascade connection

Invictus (IN)

series name		**Invictus (IN)**			
maximum brightness (nits)		up to 1,000	bonding wire		Flip-chip
dimensions	WIDTH	600 mm (23.6 in)	power common		Cathode
	HEIGHT	337.5 mm (13.3 in)	watts per panel		132W max (46W average)
	DEPTH	28 mm (1.1 in)	watts per sq m		650W max (228W average)
panel aspect ratio		16:9	max amps per cascade		15
panel weight		4.69 mm (10.3 in)	operating voltage		100-240V AC, 50/60 Hz
modules per panel		up to 8 per panel	operating temperature		-10°C - +40°C
viewing angle	HORIZONTAL	170°	maximum heat		up to 275.63 BTU/hr
	VERTICAL	170°	humidity		10% - 80%, non-condensing
led lifetime* (hrs)		100,000	ip rating		IP41
contrast		20,000:1	frame material		Die-cast Aluminium
drivers		ICN1069, XM11202	hanging and stacking		no hanging | 30 stacking max
scan rate		1/32, 1/40, 1/48	rear bolt threading		M8
processing depth (bits)		14 default (10-16 range)	power connectors		custom
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		95%-97%	certifications		EMC-A, CCC, FCC, ETL, LVD, CE, RoHS, CB

supported controllers