



VANGUARD LED DISPLAYS



AiO

All-In-One Displays

VANGUARD LED DISPLAYS



ALL-IN-ONE Indoor, fixed and mobile installation



Plug-n-play
content from
standard
sources



Easy to
transport



Remote control
functionality



Visit our site to
learn more!

ALL-IN-ONE Indoor, fixed and mobile installation



AiO

- 108" and 136" sizes
- Integrated **speakers** and **remote control**
- Integrated '**smart TV**' functionality
- Optional **motorized mobile cart**
- Optional **multi-point touch**



AiO Mobile

- Motorized, collapsing **All-in-One** mobile display
- Perfect mobility
- Easy operation, transportation, and connection
- Integrated speakers



AiO Poster

- **Roll, lean, or wall-mount**
- Convenient **content management**
- Combine **multiple units** into a single seamless display
- Configurable **2K displays at 135" and 163"**



AiO Features

AiO series

ideal for

108" and 136"
FullHD Displays

summary

Vanguard LED's AiO series displays include everything you need from a plug-n-play Full HD 2K display.

With an included wall-mount system and mobile cart options, setup of the Vanguard AiO is simple and fast. The AiO series of displays support up to 8-channel mirroring and 4-signal split display simultaneously; Support for Android, iOS, Windows & Mac OS system mirroring with <160ms ultra-low latency; Support two-way Wi-Fi connection without signal interference between mirroring and networking.

optional

- Touch interactivity
- Flight cases
- Hydrophobic treatment

sizes

2K	108"	136"
	1.2mm	1.5mm
	COB	COB



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AVAILABLE INPUT CHANNELS

up to 8-channel mirroring

WINDOWING ON-SCREEN

up to 4 inputs at the same time

INSTANT WIRELESS MIRRORING

android, windows, iOS, macOS

INTELLIGENT DISPLAY MODES

standard, soft, movie, conference modes

FINISH TRIM OPTIONS

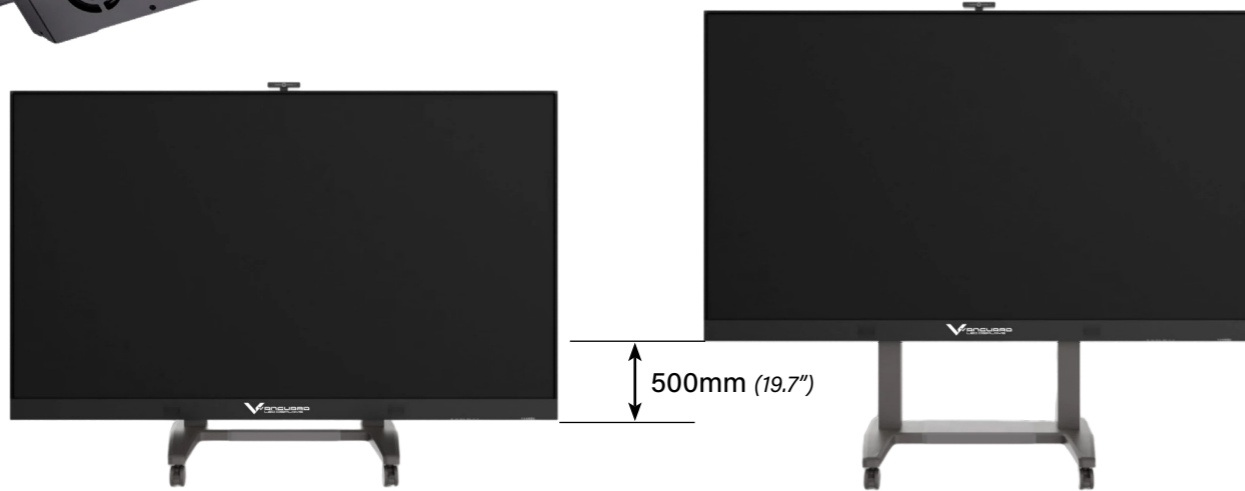
black silver

SMART TOUCHSCREEN

optional multi-point touch

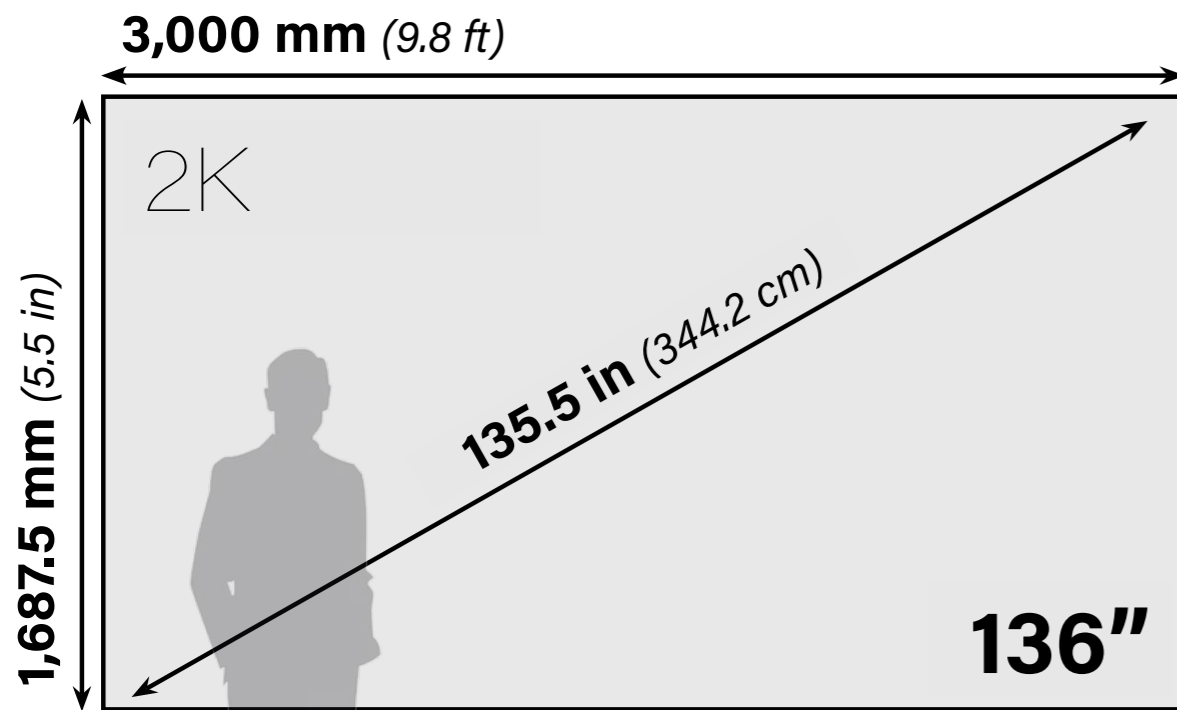
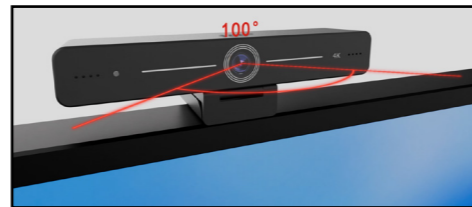


AiO series has convenient access for connections into the integrated control bar, which includes built-in speakers for a complete audio visual experience.



The AiO is offered with an optional mobile cart with motorized height adjustment range of half a meter (19.7"). AiO is also offered with touch capabilities to enhance collaboration and interactivity.

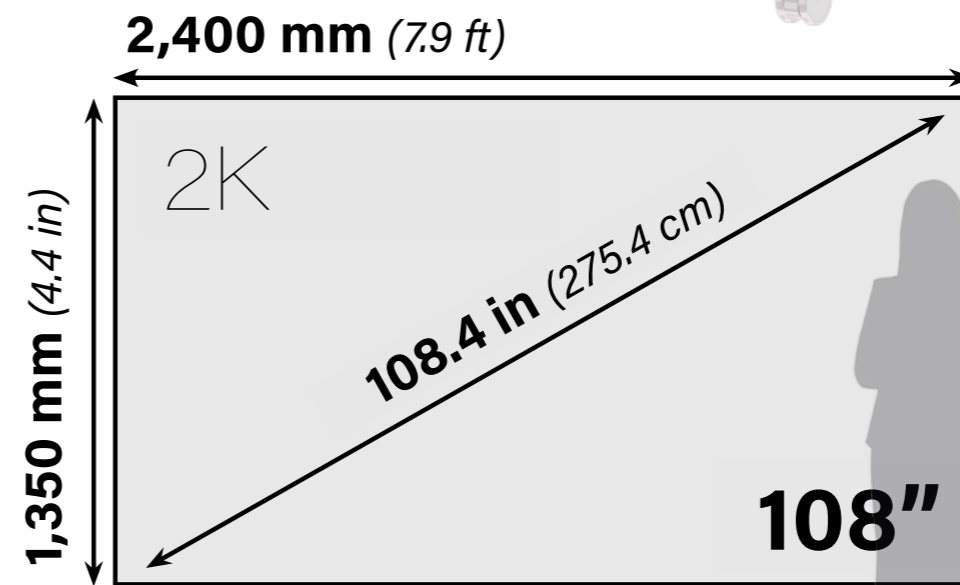
AiO includes a 4K camera for intelligent remote conferencing which includes face-tracking and a 100 degree field of view.



WIDTH	3040mm (10ft)
HEIGHT	1710mm (5.6ft)

AiO

MAXIMUM BRIGHTNESS	600 nits
ENVIRONMENTAL RATING	Indoor
RESOLUTION	1920x1080px
DISPLAY RATIO	16:9
VIEWING ANGLE	HORIZONTAL 170° VERTICAL 170°
LED half-life*	100,000 hours
CONTRAST	100,000:1
REFRESH RATE	3,840 Hz
FRAME RATE	50, 60 Hz
COLOR TEMPERATURE	6,500K default (2,800 - 10,000 K range)
PROCESSING DEPTH	Up to 18 bits
SCAN RATE	1/45, 1/48
TEMPERATURES	-20°C - +50°C
OPERATING HUMIDITY	10 - 85% RH, non-condensing
OPERATING VOLTAGE	100 - 240 V AC, 50/60 Hz
MAXIMUM WATTS	1,600 W
IP RATING	IP54 front P30 rear
MAXIMUM HEAT	3,276 BTU/hr
SERVICE ACCESS	Front
WARRANTY	3-year default (up to 10-year available)
CERTIFICATIONS	ETL, RoHS, EMC



WIDTH	2432mm (8ft)
HEIGHT	1386mm (4.5ft)



AiO Mobile

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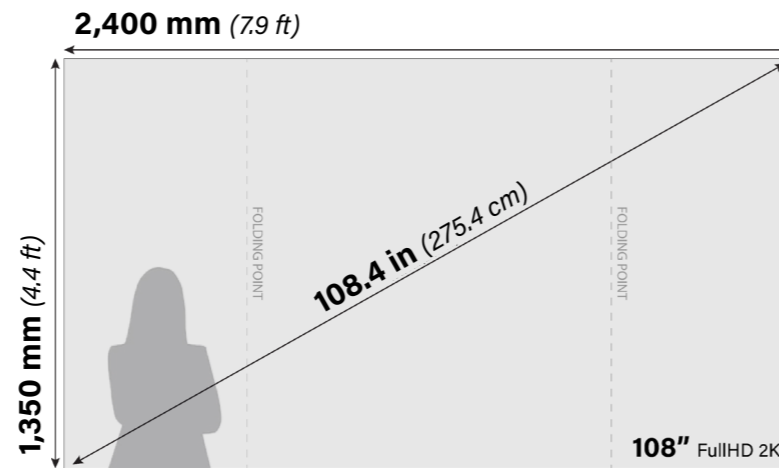


ideal for
mobile
plug-n-play

summary

Vanguard LED introduces the AiO Mobile series of transforming mobile displays. Available at 2K, 4K, and with diagonals from 108" and 136", AiO Mobile displays are the perfect solution for flexible and varying display needs. Featuring motorized and folding wing columns, as well as motorized height, the entire display will deploy to a fully operational width. The sides will fold in and the unit will lower into the road case with the push of a button. With integrated wheels in the base, AiO Mobile is the perfect portable plug-and-play LED display.

AiO Mobile displays include (2) 20W speakers as well as an integrated controller making the system truly plug-n-play, while also being highly mobile.



sizes

4K | 4K - 136"
0.78mm COB

2K | 2K - 108"
1.2mm COB

2K | 2K - 136"
1.56mm COB

SERIES NAME	AiO Mobile	
MAXIMUM BRIGHTNESS (NITS)	up to 1,000	
DIMENSIONS	WIDTH	up to 3000 mm (118.1 in)
	HEIGHT	up to 1687.5 mm (66.4 in)
	DEPTH	28 mm (1.1 in)
PANEL ASPECT RATIO	16:9	
PANEL WEIGHT	up to 4.8 kg (10.6 lbs)	
MODULES PER PANEL	up to 200 per panel	
VIEWING ANGLE	HORIZONTAL	160°
	VERTICAL	160°
LED LIFETIME* (HRS)	100,000	
CONTRAST	up to 20,000:1	
DRIVERS	ICN 2153, XM11202 (depending on pitch)	
SCAN RATE	1/27, 1/32 (depending on pitch)	
PROCESSING DEPTH (BITS)	14 default (8-16 range)	
REFRESH RATE (HZ)	3,840 default (3,840 range)	
FRAME RATE	60 default (50, 60 options)	
COLOR TEMPERATURE	7,500 default (2000-12000 range)	
COLOR GAMUT	2.8(1.0 - 4.0)	
BONDING WIRE	Copper, Flip-chip (depending on pitch)	
POWER COMMON	Anode, Cathode (depending on pitch)	
WATTS PER PANEL	1,801-1,802W max (631-631W average)	
WATTS PER SQ M	356-556W max (125-195W average)	
MAX AMPS PER CASCADE	15	
OPERATING VOLTAGE	100-240V AC, 50/60 Hz	
OPERATING TEMPERATURE	-10°C - +40°C	
MAXIMUM HEAT	6,155-6,158 BTU/hr (depending on pitch and panel size)	
HUMIDITY	10% - 80%, non-condensing	
IP RATING	IP41	
FRAME MATERIAL	Die-cast Aluminium	
HANGING AND STACKING	no hanging no stacking	
REAR BOLT THREADING	M8	
POWER CONNECTORS	C13/C14	
DATA CONNECTORS	RJ45	
SERVICE ACCESS	Front	
WARRANTY	3 year (up to 5 available)	
CERTIFICATIONS	EMC-A, CCC, FCC, ETL, LVD, CE, RoHS, CB	

Small footprint for easy transport and storage

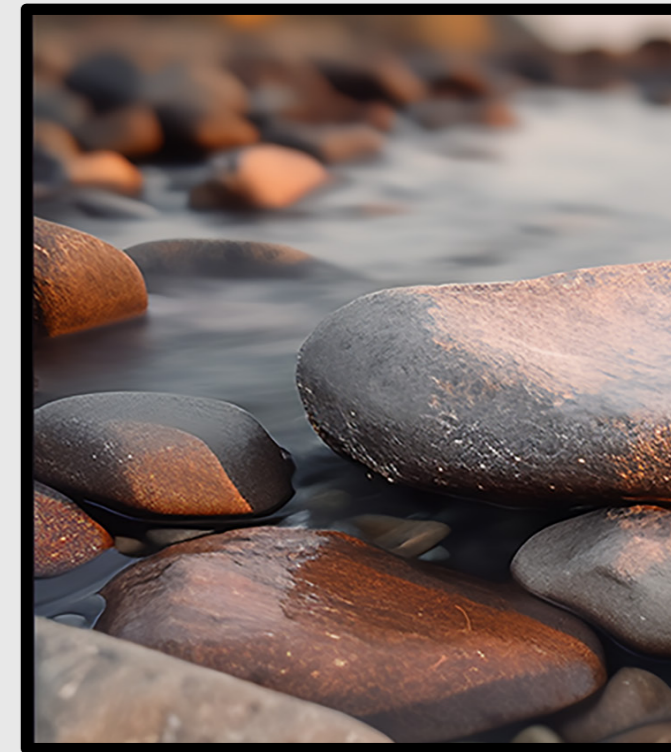


Display remote control

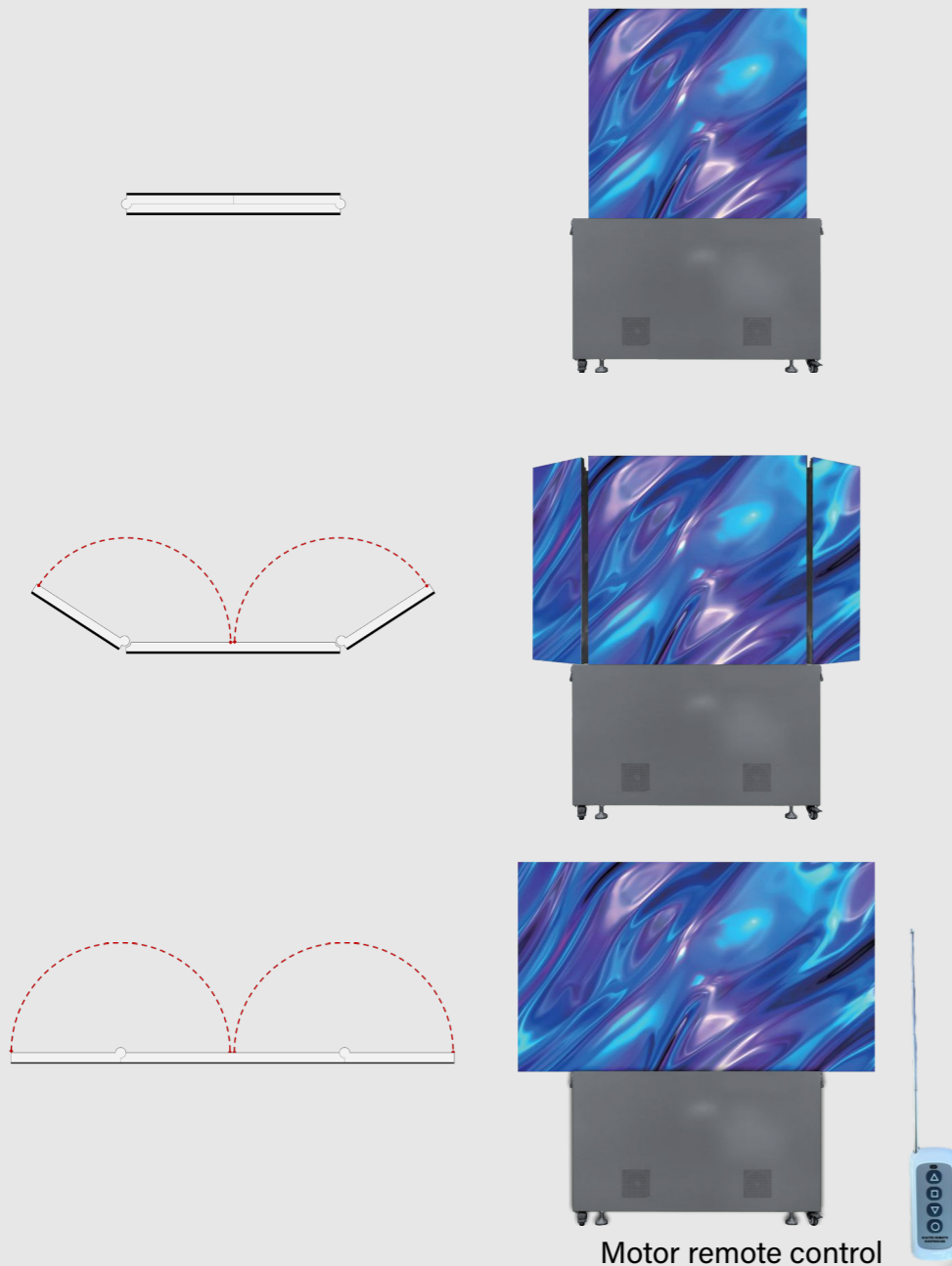
2K AiO Mobile

MODEL	108" FullHD - 1.25mm pitch	
DISPLAY DIMENSIONS	WIDTH	2,400mm (7.8ft)
	HEIGHT	1,350mm (4.4ft)
WEIGHT	470kg (1,035lbs)	
MAXIMUM WATTS	1,458 W	
MAXIMUM HEAT	2,985 BTU/hr	
STORAGE DIMENSIONS	WIDTH	1,650mm (5.4ft)
	HEIGHT	1,760mm (5.8ft)
	DEPTH	520mm (1.7ft)

MODEL	136" FullHD - 1.56mm pitch	
DISPLAY DIMENSIONS	WIDTH	3,000mm (9.8ft)
	HEIGHT	1,687.5mm (5.5ft)
WEIGHT	550kg (1,212lbs)	
MAXIMUM WATTS	2,278 W	
MAXIMUM HEAT	4,664 BTU/hr	
STORAGE DIMENSIONS	WIDTH	2,050mm (6.7ft)
	HEIGHT	2,150mm (7.0ft)
	DEPTH	520mm (1.7ft)



Convenient push-button operation



Motor remote control

CONNECTIONS/CONTROL

LAN	1
USB-A 2.0	1
USB-A 3.0	1
USB-C	1
RS-232	1
SENSORS	1

INPUTS

IR	2
HDMI 1.4	2

OUTPUTS

HDMI 2.0	1
3.5 Audio	1
SPDIF	1

MEMORY

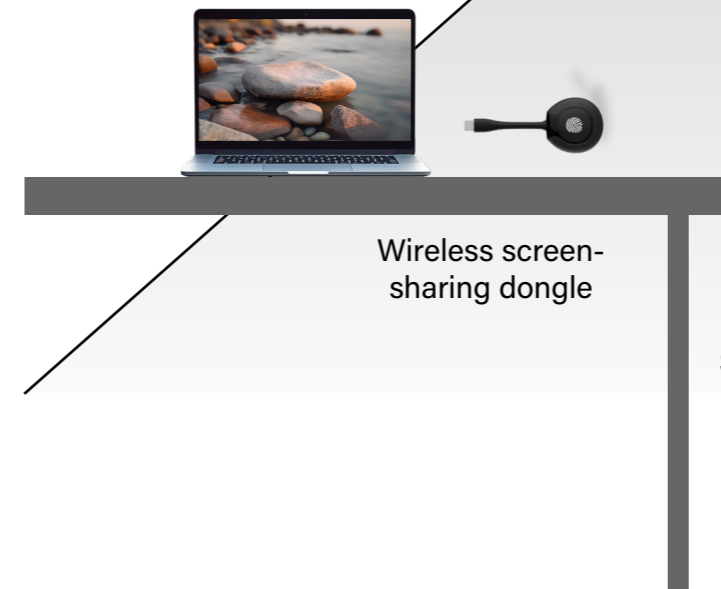
DDR RAM	4 Gb
Storage	64 Gb

ANTENNA

Wi-Fi	2
Bluetooth	1

4K AiO Mobile

MODEL	136" UltraHD - 0.78mm pitch	
DISPLAY DIMENSIONS	WIDTH	3,000mm (9.8ft)
	HEIGHT	1,687.5mm (5.5ft)
WEIGHT	550kg (1,212lbs)	
MAXIMUM WATTS	2,278 W	
MAXIMUM HEAT	4,664 BTU/hr	
STORAGE DIMENSIONS	WIDTH	2,050mm (6.7ft)
	HEIGHT	2,150mm (7.0ft)
	DEPTH	520mm (1.7ft)

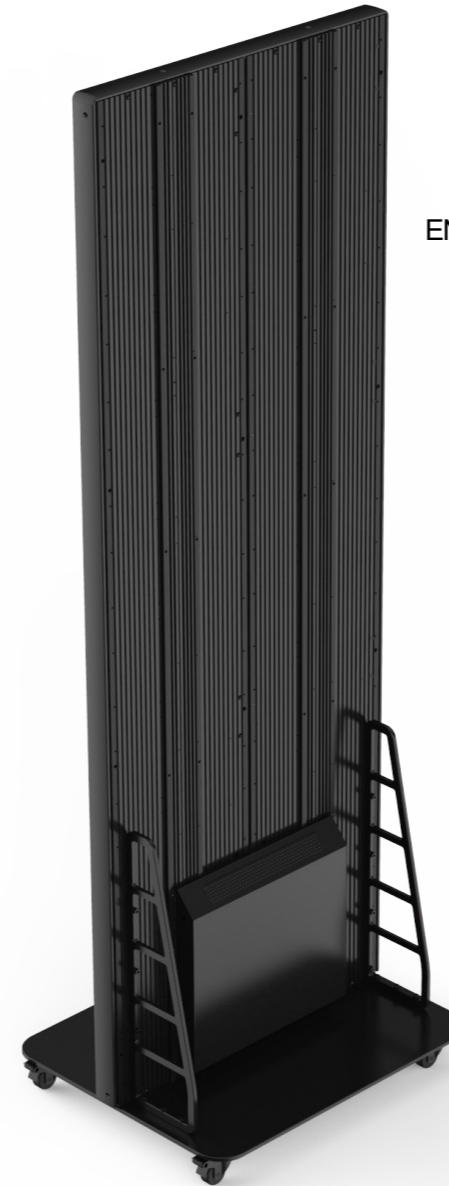


Wireless screen-sharing dongle

AiO Poster



Five horizontally connected units to make FullHD 2K with a 135" diagonal



MAXIMUM BRIGHTNESS	600 nits
ENVIRONMENTAL RATING	Indoor, mobile installation
VIEWING ANGLE	WIDTH 160°
	HEIGHT 160°
LED Half-life*	100,000 hours
CONTRAST	8,000:1
REFRESH RATE	3,840 Hz
TEMPERATURES	50, 60 Hz
OPERATING HUMIDITY	10 - 85% RH, non-condensing
MAXIMUM WATTS	420 - 500 W/SqM (depending on model)
OPERATING VOLTAGE	100 - 240 V AC, 50/60 Hz
MAXIMUM HEAT	1,432 - 1,705 BTU/hr (depending on model)
IP RATING	IP30
SERVICE ACCESS	Front (display components), Rear (controller)
WARRANTY	2-year default (up to 5-year available)
CERTIFICATIONS	CE, RoHS, ETL, UL

AiO Poster

pitch	1.5	1.8
pixel tech	SMD	SMD



summary

The AiO Poster is a powerful and seamless all-in-one solution for digital signage. The AiO Poster can run locally stored content, streaming, or use a locally connected source. AiO Posters utilize a convenient Android operating system, enabling easy content maintenance.

Vanguard's AiO Poster's include a leaning stand. An optional rolling base can be added or the posters can be wall-mounted with a simple cleat. **Connect multiple units to create a larger seamless display!** True FullHD 2K displays can be made at 135" using five (5) 1.5mm or 163" using six (6) 1.8mm posters.

optional

- Epoxy masking or coating
- Flight cases (2-3 posters per case)
- Reduced magnetism for transit stations
- Hydrophobic treatment

ideal for

Mobile signage



Control:
RJ45
Wi-Fi
Local AP network
4G network

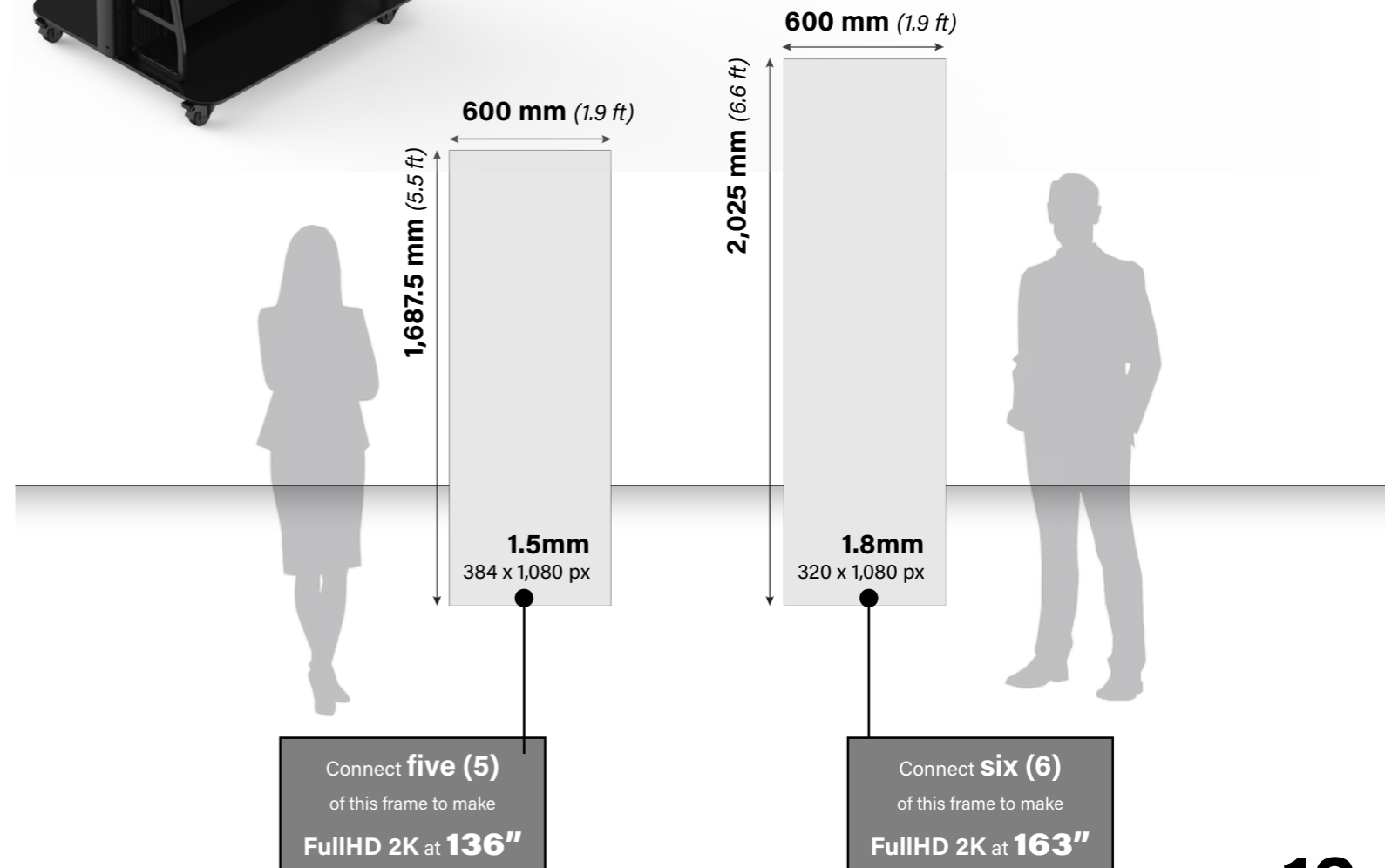
Sensor:
Brightness
Temperature
Humidity

Video:
HDMI-IN
HDMI-OUT
USB3.0

Audio:
Ext audio interface



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our leadership team



Michael Wiener
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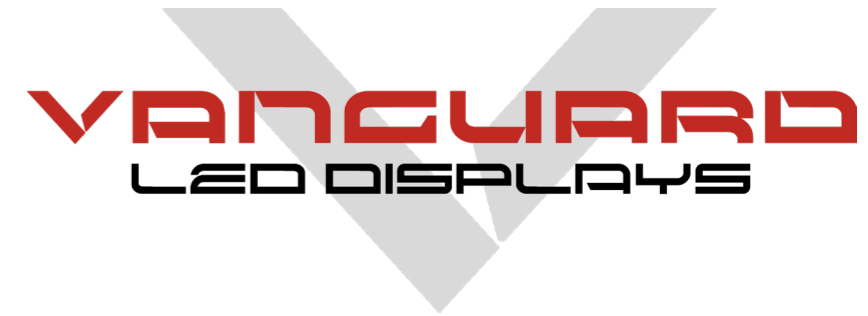
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our story



14

years old

“ We can do this better! ”

15

team

While striving to offer the lowest pixel pitches, the highest refresh rate, the lowest latency and the latest technology Vanguard never loses its focus on customer satisfaction. This is why Vanguard is such a unique company. Stellar service is the foundation of the company.

>250

customers

Most companies are beholden to sell certain products as they own the factory while Vanguard selects the best OEM factories in each market segment ensuring the best quality and latest technology. We always have your best interests in mind from everything to budget and design through after-sales service.

>1,500

global installations

We measure success through repeat business. Most of our customers have purchased from us several times, and we look forward to working with them as much as they enjoy working with us.

We've come a long way since our inception in 2012, but we've never wavered in providing a unique and high-quality customer experience.

Michael Wiener, our Founder and CEO, sees the opportunities today and into the future with this growing technology. We are excited and proud to be different from the norm. We treasure our partnerships, supporting our customers, and working with the most exciting display technology on the planet today.

Vanguard LED Displays

summation

A leader in innovative digital LED display solutions, Vanguard offers an unrivaled range of products, technologies, and support.

Vanguard is an American-owned company, headquartered in Lakeland, Florida. Our mission statement - Complete customer satisfaction, defined by our core values of expertise, integrity, responsiveness, service, and value.

Our core values take many practical forms including Industry leading new technology, expert design advice at the outset of a project, timely quotes, the quickest lead times in the industry, helpful CADs and electrical drawings, professional commissioning, proficient on-site training, and stellar after-sales services.



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