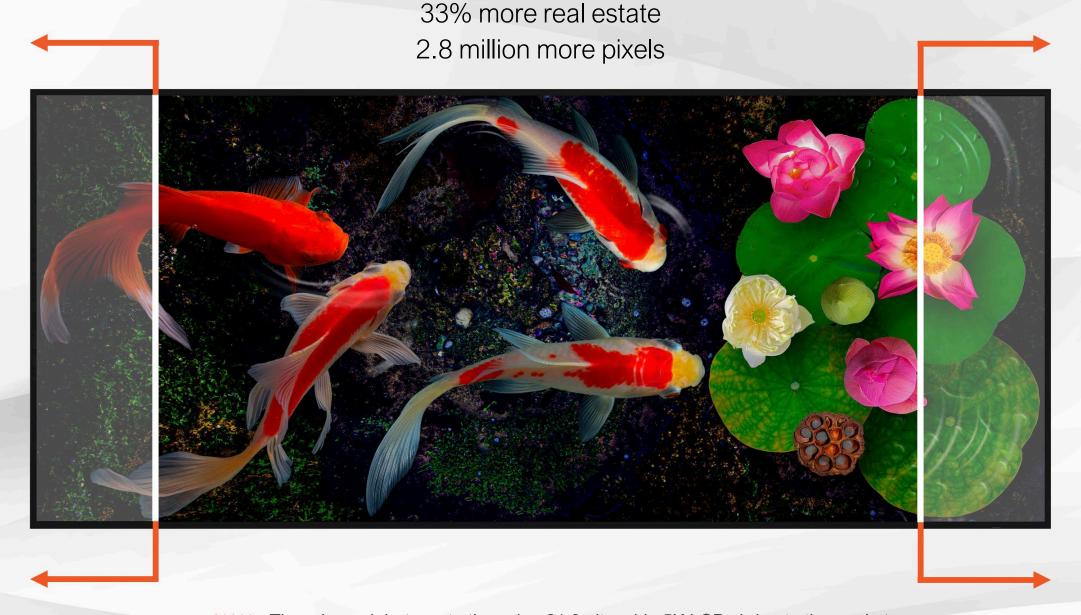


## Innovation that Matters

Jupiter's product solutions empower customers.

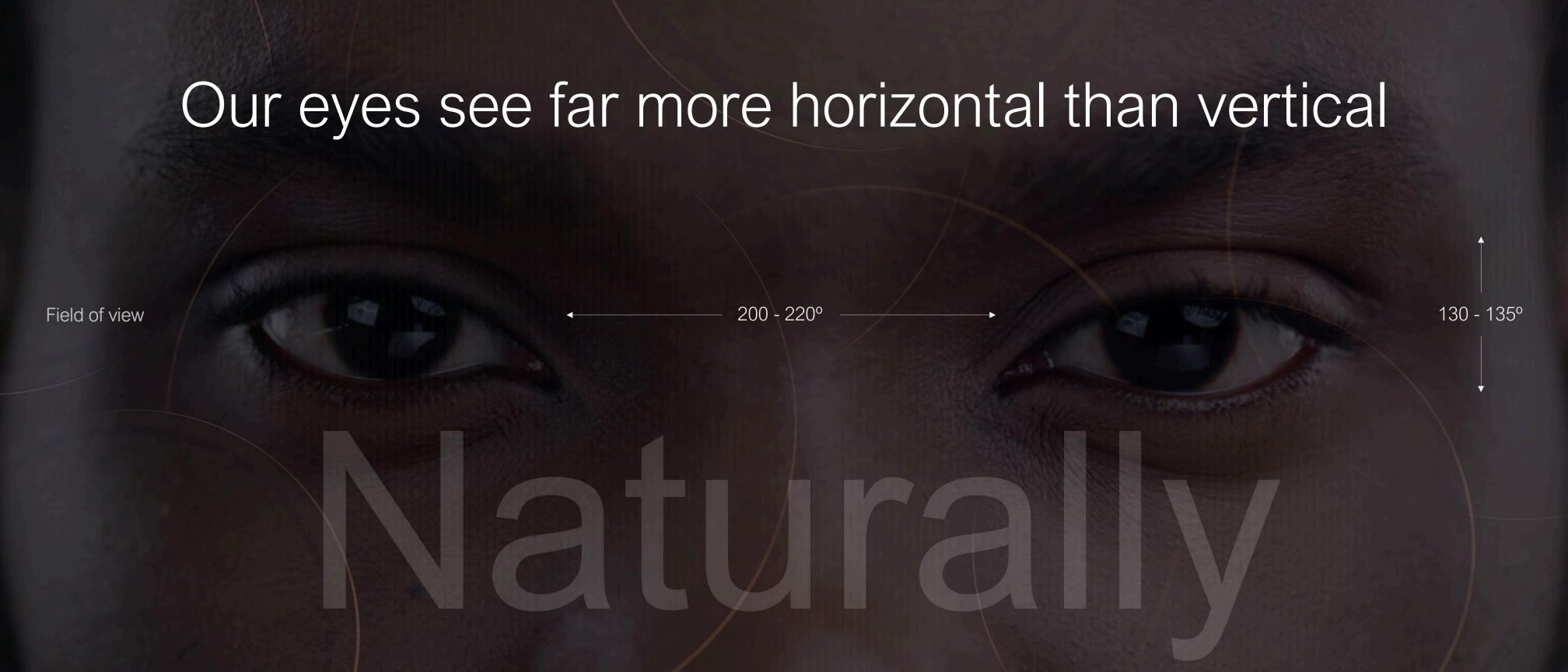
At the forefront of innovation, our Pana ultrawide 5K large LCD and Zavus Xtreme Pixel MicroLED displays are the only comprehensive 21:9 product line in the world.



There is no debate as to the value 21:9 ultrawide 5K LCDs bring to the market: particularly in the enterprise space. Our passion for 21:9 5K has seemingly infected the world over. We will continue to push engineering boundaries in this space, as we're dedicated to only the 21:9 form factor.

## 11 Itrawide

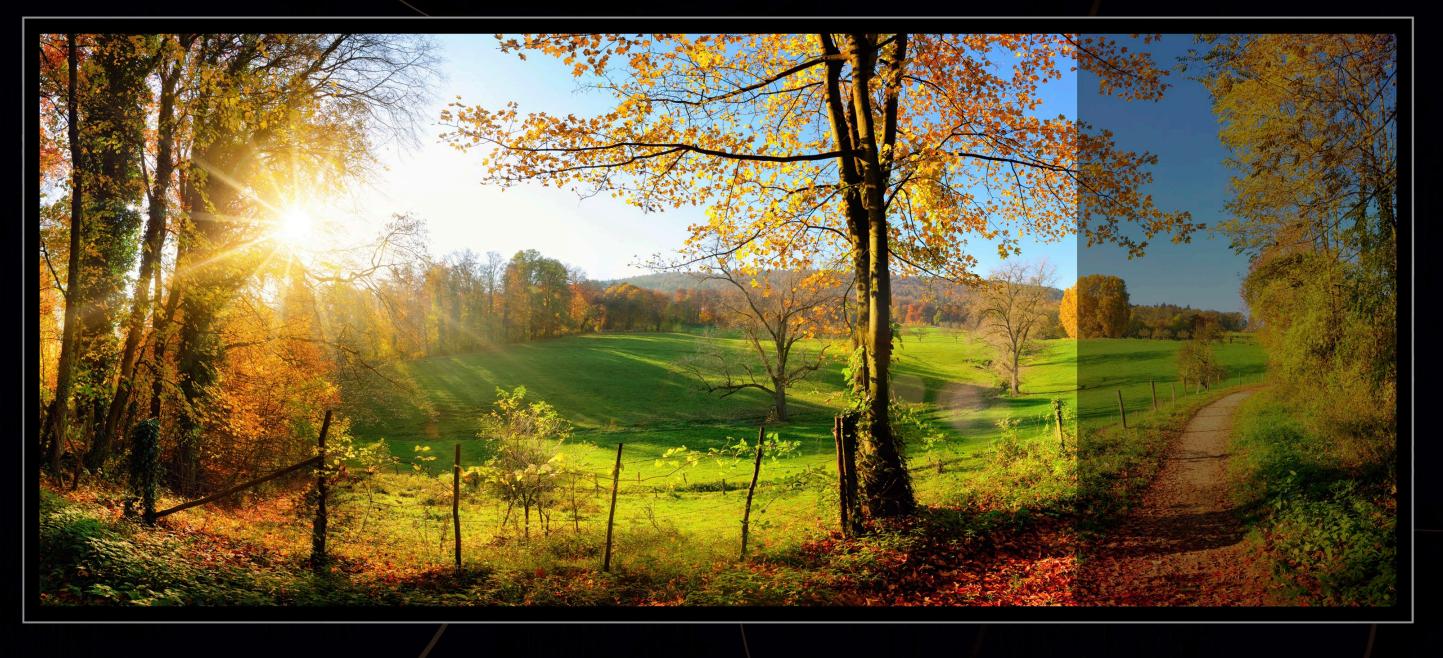
The 21:9 aspect ratio of 2.37:1 is positioned between the classical CinemaScope of 2.35:1 and the modern anamorphic cinematic content of 2.39:1



5K 21:9

4K 16:9

Go beyond 16:9 and bring Cinematic storytelling experiences to video walls, conferencing and hybrid workspace.



Since 2018, Jupiter engineering has been developing 5K 21:9

#### 21:9 has more display real estate than 16:9







Same height as 16:9

Pana 105

more content, more inclusion with 21:9

as 16:9

End-to-end 21:9 sizes for every space





#### Zavus™ Xtreme Pixel

Flip-Chip COB (Chip-on-Board)
Ultra fine-pitch direct view MicroLED

#### Unmatched color and contrast

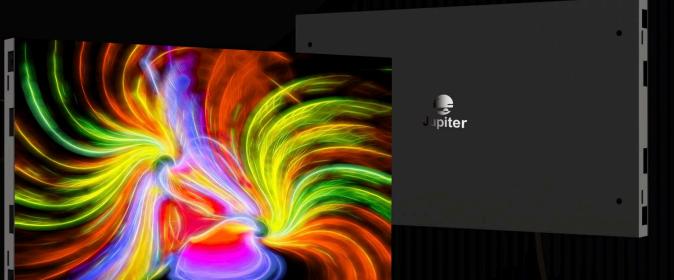




other brands

Zavus

#### Jupiter proprietary MicroLED driver-board engineering



- DCI-P3 color gamut
- Up to 16-bit color depth with true black
- 1000 nits sustained luminance
- Camera-friendly 3840 Hz scan rate
- ST 2110 standard



Our direct view MicroLED brings unprecedented control over the cabinet electronics. White point, color rendering and seam correction down to each individual LED module are available to control from a simple UI interface that is web-hosted and accessible from desktop or mobile end-points, with ultra-high bit-depth performance.

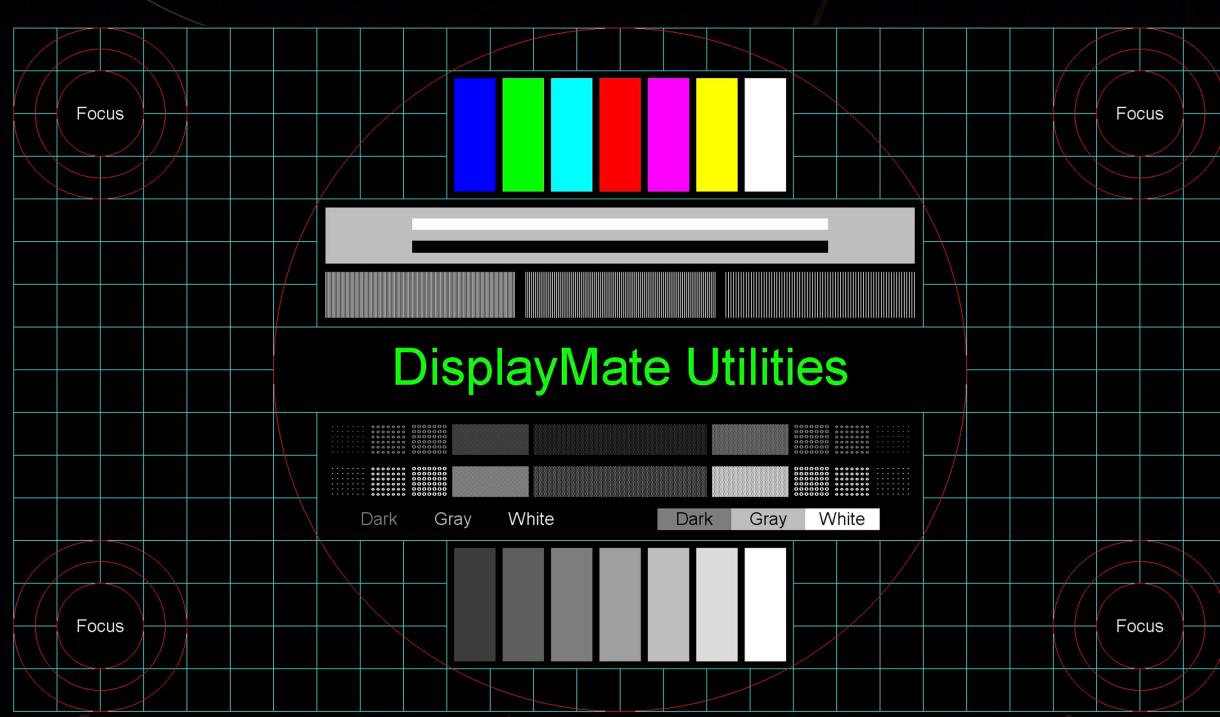
Easily access health monitoring from a web hosted interface that can encompass multiple LED wall locations for an entire building or campus. The Helios platform can be specified with the desired combination of modular inputs per project requirements.

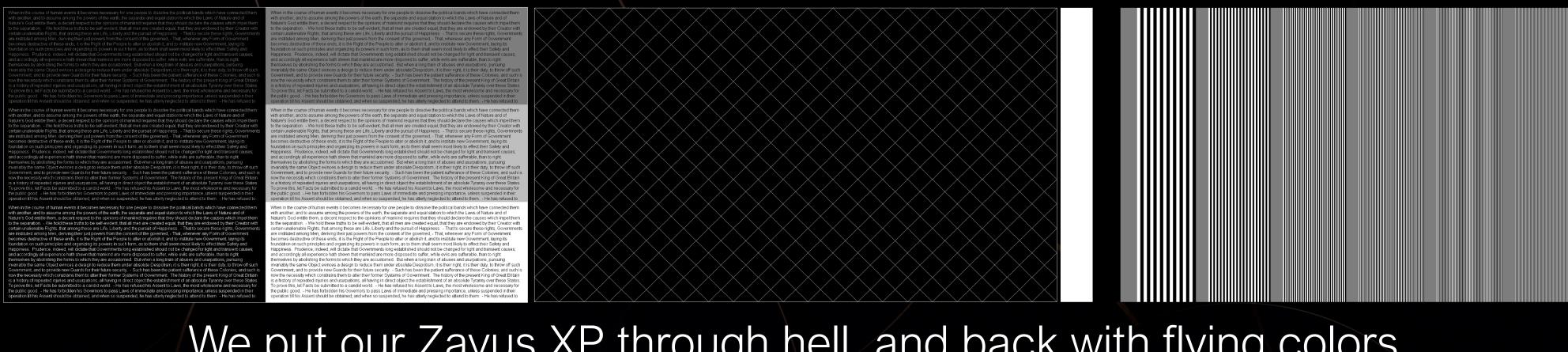
#### At Jupiter, image quality is paramount.

Anyone can present a beautiful video with vivid colors but professional graphics applications is where true challenges lie. Zavus Xtreme Pixel was developed with the intent to satisfy not just digital signage, home theater, UC applications and broadcast, but critical eye viewing of CAD, data visualization, flight simulation and 3D modeling applications, on full white, true black, and the spectrum in between.

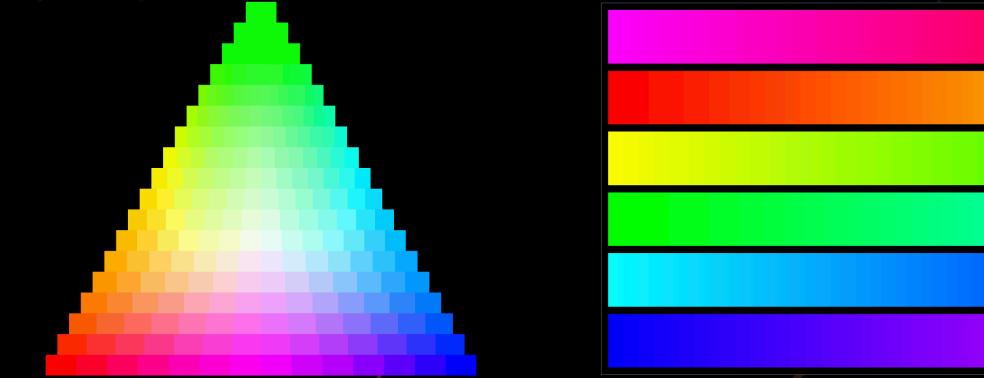
Part of our barometer was to engineer Zavus XP to excel against DisplayMate's tortuous test patterns.

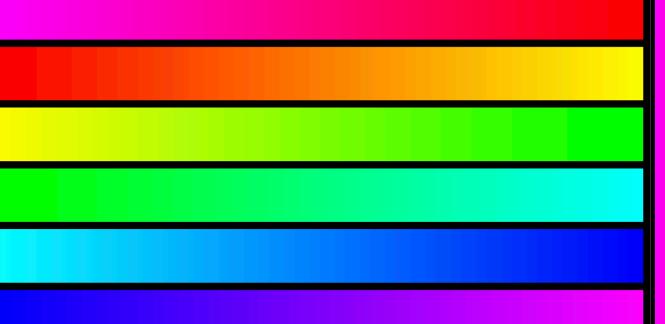
Seeing is believing.

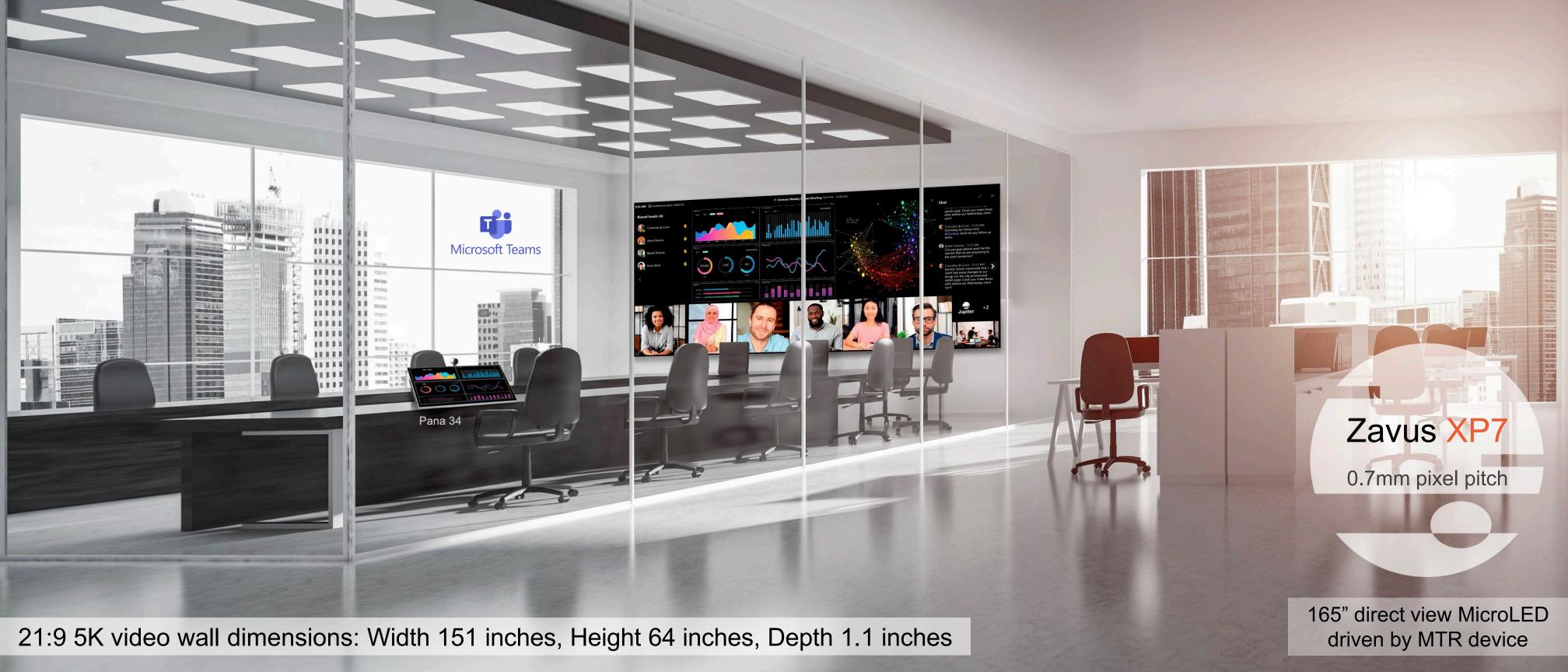




#### We put our Zavus XP through hell, and back with flying colors











Ultimate 21:9 video wall processor

Driving small to medium sized video walls at the highest resolution

- Ultra quiet i9 running Windows 10
- Output up to 5K 60Hz for Zavus XP
- Up to 16 inputs / outputs
- HDCP compliant
- Web / VNC / Application support
- Raid and redundant power supplies



#### Ultimate video wall management

- Web based, intuitive object-based, drag and drop interface
- Supports both Active Directory and Workgroup environments for user authentication
- Permission based access with identical views whether inside or outside of room
- Easily select streaming sources for sharing, annotate directly on live video and data, and control
  content from cameras, applications and web
- Arrange video and data windows anywhere on display wall at any size
- Save preset scenes in advance for quick recall for specific situations, specific users, or time of da
- Provides encrypted security and SSL authentication



# Pana X Premium Line



#### Pana X Premium Line

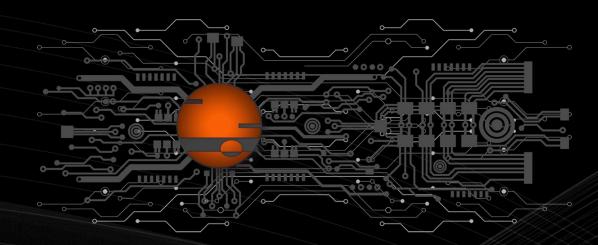
Quantum Dot Mini-LED backlit LCD



World's only 120Hz Native Refresh Rate at 5K

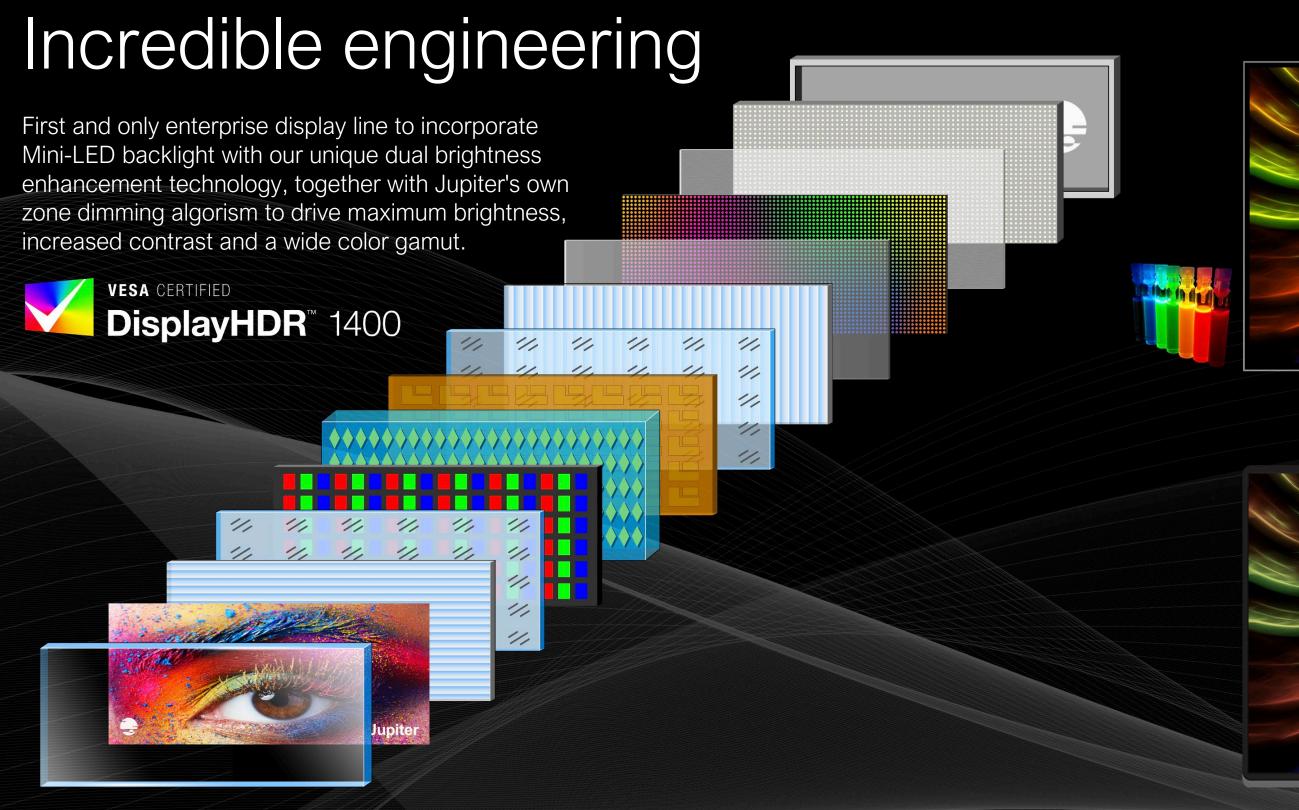
Our Quantum Dot Mini-LED backlight on a massive panel was so intense we had to develop a separate driver board as its engine. We went far beyond any enterprise display has ever accomplished in visual quality, challenging high-end home TV specs.





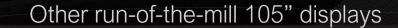
2300 Local dimming zones with Jupiter algorism 1,000,000:1 contrast
Up to 1000 nits sustained brightness, 2200 peak

DCI-P3 and Rec.2020 support InGlass touch for premium precision experience 4+1 speaker system with woofer, 78w total power Built-in USB-C 100w power delivery



Jupiter's quantum-dot Mini-LED backlight with dual-brightness enhancement technology



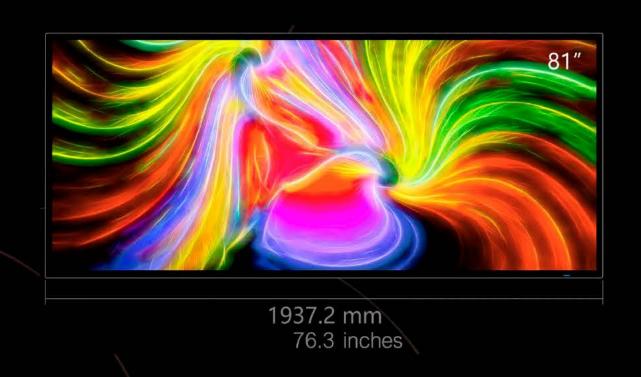


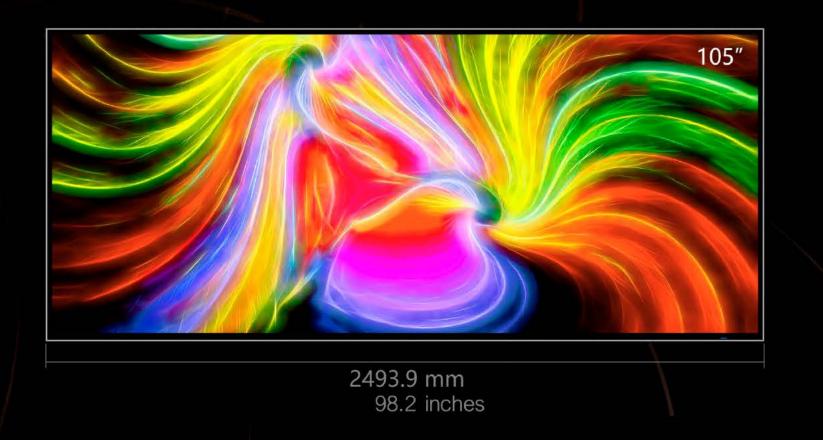


#### Pana X Lineup









New metal-mesh capacitive conductivity for precision multi-touch. Low profile design.





Pana X models comprise a range of sizes in thin-profile touch or non-touch 120Hz 5K LCDs, each with optically bonded, tempered, anti-glare edge to edge glass, identical frame-less design, identical back, identical depth dimension, identical ports at identical locations.

Know one, know all.

### No embedded (or hidden) Android system. No on-board computer or system to drive the 5K display Meeting the most stringent IT requirement

No built-in system
No vulnerability risk
Fully secure display



Jupiter Engineering

Our name is on every key component inside

una hastor of the last of the

We own our Pana X electrical, optical and mechanical engineering

















#### Jupiter Proprietary Computer Module

Unique dimensions with unparalleled features

Blazing fast 5K 120Hz refresh (Jupiter exclusive)

Intel i7 12700H Gen12 desktop processor with Trusted Platform

Module technology (TPM2.0), 12-core, 16GB dual SODIMM

DDR4 3200MHz, compatible with Gen13

Nvidia RTX3050 graphics card on a PCle Gen4 x16 slot with 8GB GDDR6 and 75-130W power consumption (discrete GPU)

256G SSD (upgradable)

Fits into Jupiter-specific slot on back of each Pana X display











Jupiter Proprietary Computer Module Desktop Chassis

Convert into a powerful mobile workstation

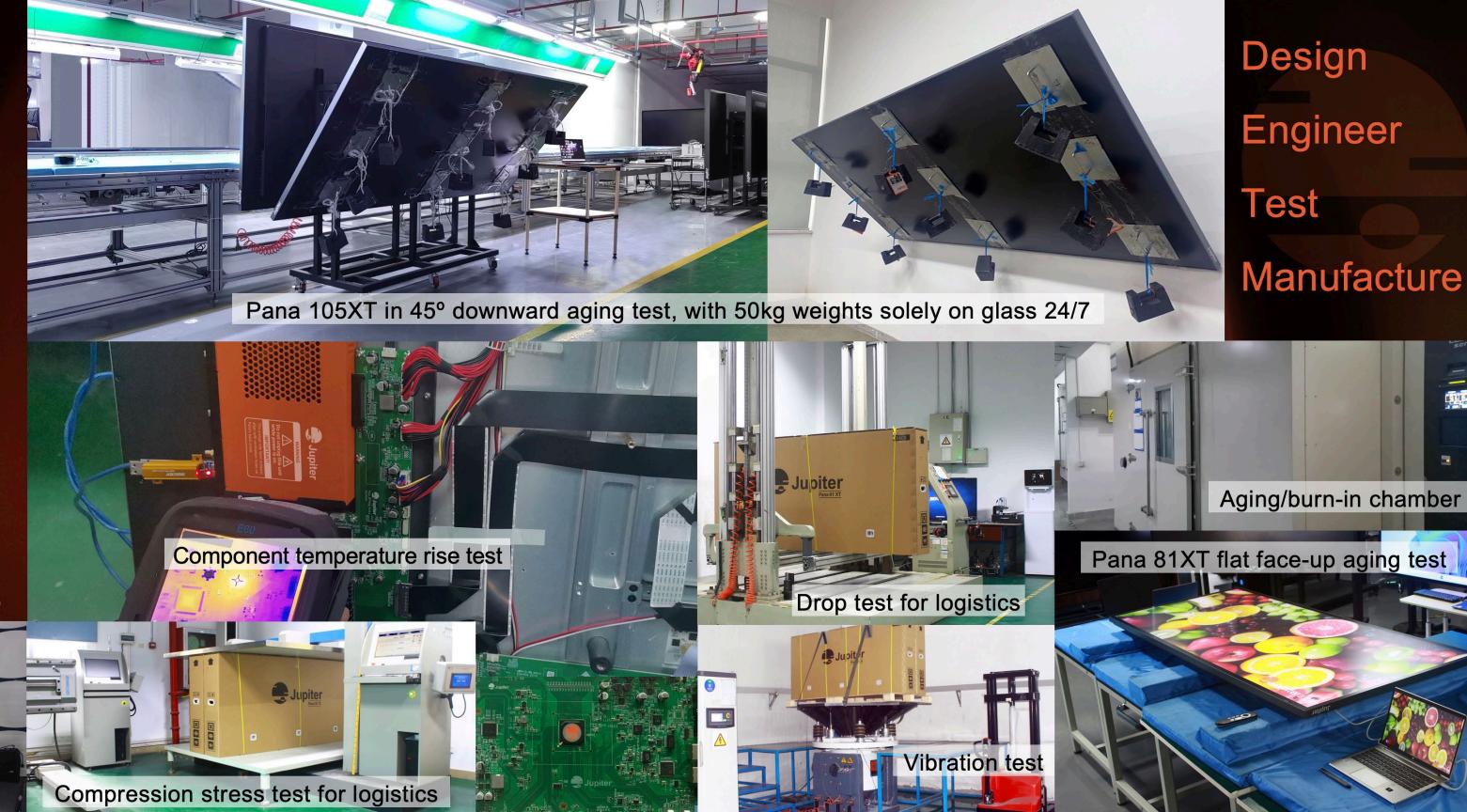






At Jupiter, we designed our own 120Hz 5K main board with a newly launched chipset, blueprinted our own FPGA board, our own power board, our own Mini-LED hub board with proprietary local dimming algorithms.

Radiation interference test



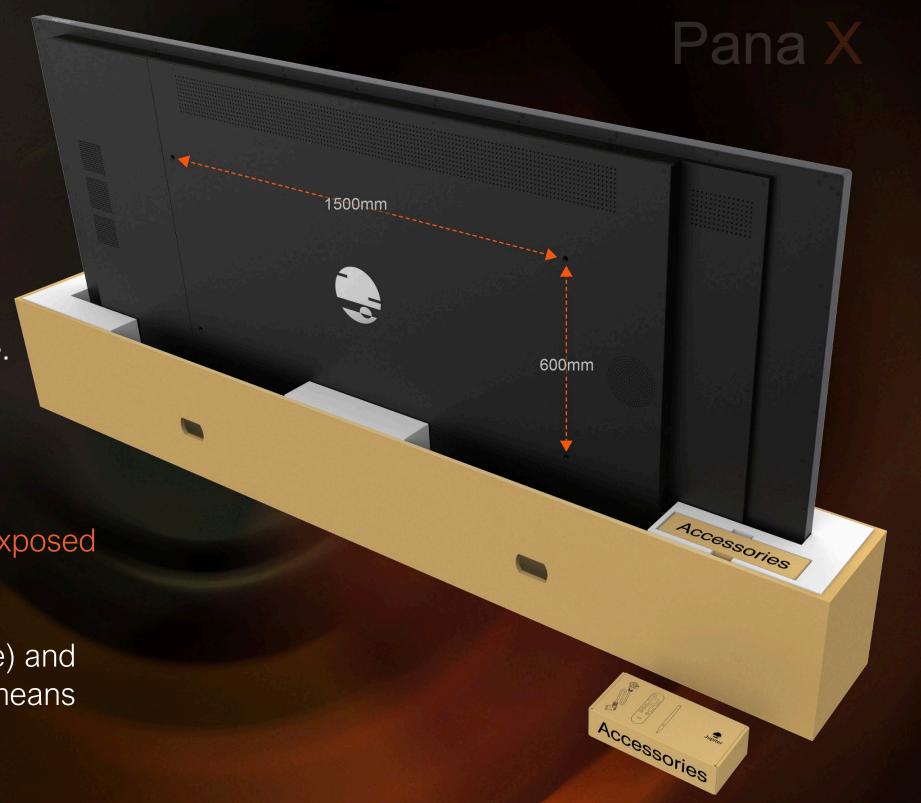
#### Designing the details

Pana 105's VESA pattern is 1500 x 600mm, developed so a mount can firmly support our large ultrawide dimension especially during touch usage.

Our X models' VESA pattern is perfectly centered when mounted in either landscape or portrait mode.

Jupiter's Pana packaging was designed to have the mounting holes fully exposed while the large display still rests in the box.

Pana X cardboard packaging has a burst strength of 30kgf (kilogram force) and edge crush resistance of 14kN/m (kilonewtons per meter), more durable means less prone to impact damage.



## Pana standard series

Best in class enterprise collaboration and data visualization

Award winning LCD 5K ultrawide displays

Portrait or landscape

Interactive touch or non-touch

RoHS 2 / Energy Star certified

USB-C hub with power delivery

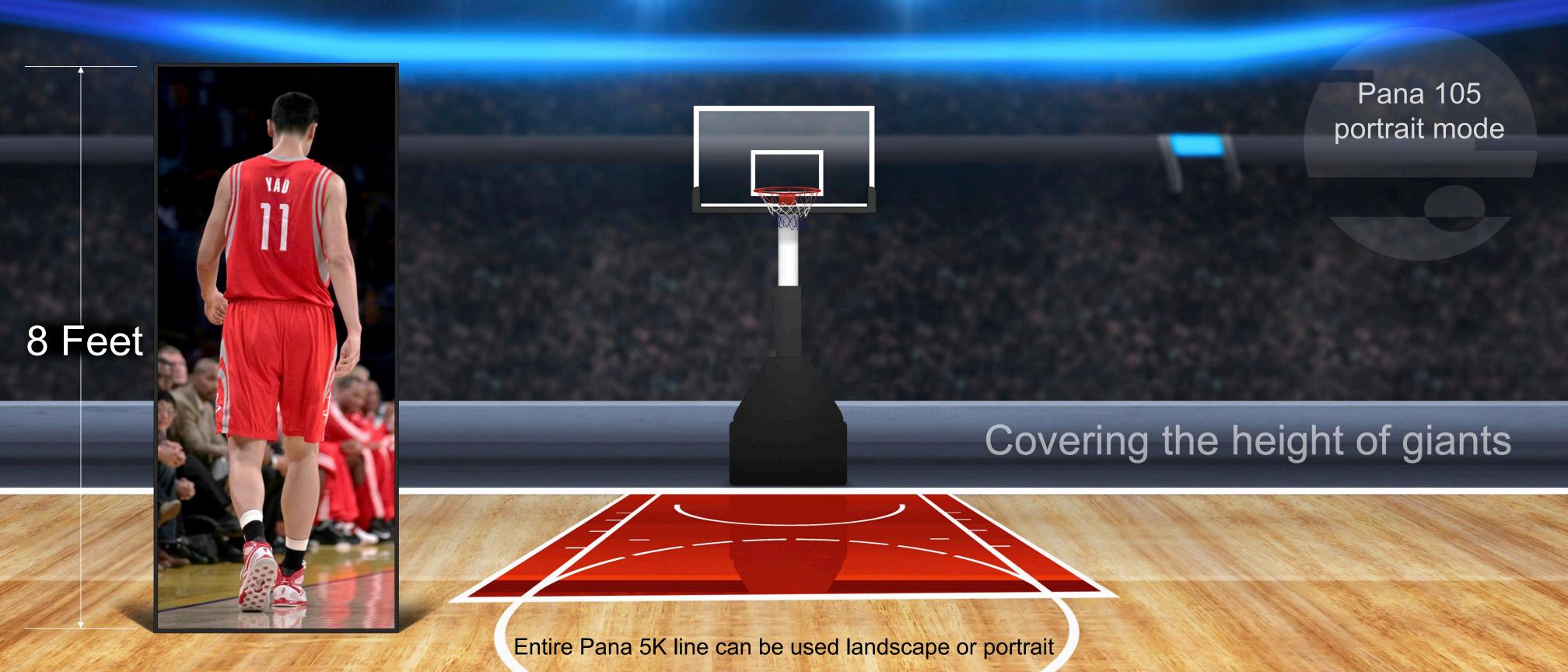
Global certifications













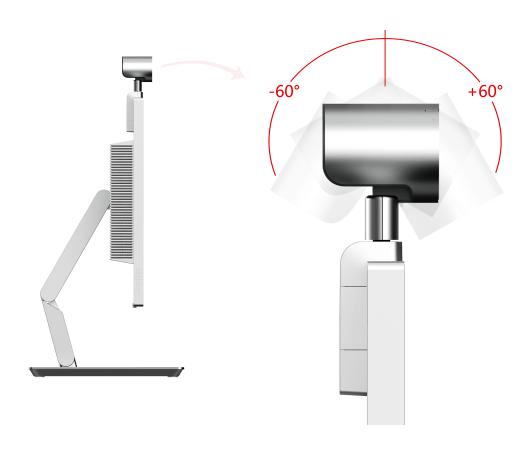
## 21:9 makes elevator sense

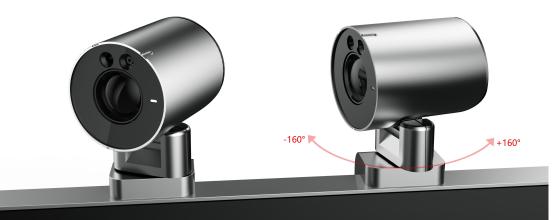
Turned vertically, traditional 98" 16:9 LCD is approx 50 inches wide, 86" 16:9 is approx 45 inches wide, while

- o Pana 105 is 41 inches wide
- Pana 81 is 33 inches wide











zoom

Certified

- Bezel-Less Display with 10 Point Precision OGM Multi-Touch
- 4K Camera with Microsoft Hello Face Authentication,
   ±160° Swivel, ±60° Tilt, 124° Ultra-wide Field of View @ F/1.8
- 8 Microphone Array
- 24-watt speaker system
- Active Pen with 4,096 Levels of Pressure Sensitivity
- Reverse touch Windows, Mac OS, Android devices
- Drafting Flex-Stand with ±40° swivel base
- Responsible packaging: Certified FSC (Forrest Stewardship Council) 100% recycled responsible forestry paperboard material, printed with soy-based ink





Response Time

Refresh Rate



Geographic Region	Туре	Standard(s)	Pana 105 & 81 Pana 34	Geographic Region	Туре	Standard(s)
USA	CA65	California Proposition 65			CA65	California Proposition 65
	Energy Star	ENERGY STAR® Program Requirements Product Specification for Displays			Energy Star	ENERGY STAR® Program Requirements Product Specification for Displays
	cULus (UL+cUL)	CB 62368-1 3 <sup>rd</sup> , CB 62368-1 2ED, CB 60950-1,			cULus (UL+cUL)	
	CB CEC (California Energy Efficiency)	UL/cUL 62368-1 3rd and complementary 60950-1	Jupiter Pana	USA	СВ	CB 62368-1 3 <sup>rd</sup> , CB 62368-1 2ED, CB 60950-1, UL/cUL 62368-1 3rd and complementary 60950-1
	less than 5 models	CEC-140-2019-002	Jupiter i aria	JOA	CEC (California Energy Efficiency)	050 440 0040 000
	FCC SDOC	Part 15B			less than 5 models	CEC-140-2019-002
Japan	圆形PSE (Product Safety of Electrical Appliance & Materials)	Technical Requirements Appendix 12: J62368-1(2020) IEC 62368:2014	comprehensive	LUZ	FCC SDOC	Part 15B
	SAA	62368-1 3rd	Comprehensive	UK	UKCA	BS EN 62368:2018
Australia	C-Tick	CISPR 32			CE (EMC+LVD+RoHS)	EN 62368:2018, EN55032, EN55035, EN61000-3-2, EN61000-3-3 EN 61000-4-8:2010
	Gems (Australia Energy Efficiency)	A O /A I 7 O COO 0 7	global certifications	Europe	ERP	EC NO 1275/2008
	Gems Registration	AS/NZS 62087	global collineations		ROHS	2011/65/EU
	RCM	AusRCM			REACH	SVHC 219
UK	UKCA	BS EN 62368-1:2014+A11:2017			WEEE	2002/96 / EC
- Cit	CE (EMC+LVD+RoHS)	EN 62368-1:2014+A11:2017, EN55032,EN55035, EN61000-3-2, EN61000-3-3 EN 61000-4-8:2010		Australia	C-TICK	CISPR 32
Europe	ERP (energy related products)	EC NO 1275/2008			SAA	62368-1 3rd
	ROHS	2011/65/EU			Gems (Australia Energy Efficiency)	AS/NZS 62087
	REACH	SVHC 219			Gems Registration	
	WEEE	2002/96/EC			RCM	AusRCM
Singapore	PSB COC	Based On CB		Brazil	INMETRO	IEC 60950, CISPR22, CISPR24
Brazil	INMETRO	IEC 60950, CISPR22, CISPR24		Japan	PSE	Technical Requirements Appendix 12:J62368-1(2020) IEC 62368:2014
Saudi Arabia	IECEE	Based On CB		Global	MSDS (Material Safety Data Sheet)	N/A
UAE	ECAS (ROHS report)	CB standards		Global	VESA DisplayPort / USB Type-C	DP & USB Type-C certified
India	BIS 1 sample 105T&D	TC-6563		Global	VESA DisplayHDR	VESA DisplayHDR400 certified (DP+USB Type-C)
Global	MSDS (Material Safety Data Sheet)	N/A		Global	AMD FreeSync	AMD FreeSync Premium certified
Global	VESA DisplayHDR	VESA DisplayHDR400 certified (HDMI, Pana 105D)		Global	HDMI	HDMI 2.1a
Italy				Global	Zoom	Zoom certified
Norway Poland Netherlands	Each verified against EU CE standards	CE		Italy, Norway, Poland, Netherlands, France	Each verified against EU CE standards	CE
France						



Jupiter's proprietary 21:9 5K collaboration gateway bundled with all Pana displays





Jupiter's processors are made in our California headquarters facility. Our factory space is ISO 9001:2015 certified for the design, development, manufacture, marketing, sales, order fulfillment, and call center support of visualization products. Our video wall processors support the 21:9 5K form factor.

Canvas, our powerful collaborative visualization software, along with SimpleShare, were designed and developed in the USA.







JITC Certified

JOINT INTEROPERABILITY TEST COMMAND

PixelNet®



## Video Wall in a Box™

TAA bundle

- CRS-5K processor
- Canvas software
- Pana 105 or 81 display
- SimpleShare software



Manage up to 32 windows with flexible layout on a single Pana ultrawide display

## A complete range of 21:9 displays

Product Name	21:9 Size (Diagonal)	5K	Display Type	Backlight	Local Dimming Zones	Contrast	Refresh Rate	Response Time	Brightness cd/m2	Touch Technology	Product Depth	ADA Compliant (with mount)
Zavus XP12	281"	✓	COB dvMicroLED with black resin, 1.2mm pixel pitch	NA	NA	1,000,000:1	60 Hz	<1 microsec	1000	NA	28 mm	✓ <b>/</b>
Zavus XP9	205"	✓	COB dvMicroLED with black resin, 0.9mm pixel pitch	NA	NA	1,000,000:1	60 Hz	<1 microsec	1000	NA	28mm	✓
Zavus XP7	165"	✓	COB dvMicroLED with black resin, 0.7mm pixel pitch	NA	NA	1,000,000:1	60 Hz	<1 microsec	1000	NA	28 mm	✓
Pana 105X	105"	✓	IPS LCD	Quantum Dot Mini-LED	2304	1,000,000:1	120 Hz	4 ms	2200	NA	78 mm	✓
Pana 105XT	105"	✓	IPS LCD	Quantum Dot Mini-LED	2304	1,000,000:1	120 Hz	4 ms	2200	Bezel-less metal-mesh capacitive with 20 simultaneous touch points	78 mm	✓
Pana 81X	81"	✓	IPS LCD	Quantum Dot Mini-LED	2048	1,000,000:1	120 Hz	4 ms	1900	NA	76 mm	✓
Pana 105D	105"	✓	IPS LCD	LED with local dimming	192	10,000:1	60 Hz	8 ms	700	NA	99 mm	
Pana 105T	105"	✓	IPS LCD	LED with local dimming	192	10,000:1	60 Hz	8 ms	700	Direct-bonding IR with 20 simultaneous touch points	110 mm	
Pana 92T	92"	✓										
Pana 81D	81"	✓	IPS LCD	LED with local dimming	192	10,000:1	60 Hz	8 ms	700	NA	83 mm	
Pana 81T	81"	✓	IPS LCD	LED with local dimming	192	10,000:1	60 Hz	8 ms	700	Direct-bonding IR with 20 simultaneous touch points	85 mm	
Pana 34	34"	3440x1440	VA LCD	Edge lit LED	NA	4,000:1	165 Hz	1 ms	400	OGM mutual capacitive with 10 simultaneous touch points, 4096 levels of Pen pressure	59 mm	<b>√</b>

## Responsible manufacturing Eco conscious packaging











- o ISO 9001 Quality Management System
- o ISO 14001 Environment Management System
- o ISO 45001 Occupational Health and Safety Management Systems
- SA 8000 Social Responsibility Standard







Pana packaging uses certified FSC (Forrest Stewardship Council) responsible forestry paperboard and recycled pulp. Printing on packaging uses soy-based ink.

Jupiter's Pana displays are MSDS compliant throughout supply chain and manufacturing. Material Safety Data Sheet assures components and parts that make up the finished product to abide by strict chemical and raw material standards.

