Pana X

120Hz quantum dot mini-LED 21:9 displays

Jupiter

Pana X

Premium 21:9 5K Displays

- º 21:9 10 bit panel with 5120 x 2160 (5K) resolution
- º 120 Hz refresh rate - smooth scrolling
- º Premium Touch and Non-Touch options
- º Mini-LED backlight with over 2000 dim zones
- º Quantum Dots enable superior DCI-P3/Rec.2020 specs
- º Jupiter's dual-brightness enhancement technology
- º Over 2000 nits peak luminance with true black
- º VESA DisplayHDR1400/1000 certifications (pending)
- º ADA-compliant low profile when wall mounted

Experience the premium 21:9 LCD line

Pana X models comprise a range of sizes in thin-profile touch or non-touch 120Hz 5K LCDs with quantum dot Mini-LED back-light and Jupiter's exclusive dual brightness enhancement technology, each with optically bonded, tempered, anti-glare edge to edge glass, identical frame-less design, identical back cover, identical display thickness, and identical port arrays across the entire line up. More sizes to come.

Our custom-engineered quantum-dot Mini-LED back-light offers more than 2,000 dim zones with proprietary algorithm in addition to over 2,000 nits of peak luminance. The architecture was so complex that we had to design a dedicated driver board from the ground up. Pana X delivers visual quality that challenges high-end home TVs.

Pana X Premium line features

Ultra high peak luminance and true blacks

Experience ultra bright visuals fit for any indoor environment without the need for ambient light control.

5K at 120Hz

Butter-smooth scrolling graphics meet 5K razor sharp visuals. An unprecedented combination that forced us to develop a proprietary image processor and the first Jupiter PC Module accessory with discrete Nvidia Graphics.

State of the Art Interactive User Experience

Our new flagship Pana 105XT model utilizes FlatFrog's best InGlass technology for the lowest latency and pin- point accuracy. Our new flagship Pana 81XT utilizes the latest metal-mesh capacitive touch bundled with a 3mm- tip Pen for precision writing.

Fully Secure Display

Pana displays do not carry an embedded (or hidden) operating system, such as Android. An on-board computer or system to drive the 5K display is not required. We designed our Pana line to meet the most stringent and uncompromising secure user environments in government and defense.

As an added option, we offer powerful (and convenient) video processing systems: either a slot-in Jupiter designed and engineered on-board computer (on back of Pana X) that's capable to drive 120Hz on our 5K displays, or our compact CRS-5K processor that can splice up to 32 windows on a single Pana display while driving 5K, a Video Wall in a Box™.

Pana X premium 21:9 display specifications

	Pana 105XT Touch	Pana 105X Non-Touch	Pana 81XT Touch	Pana 81X Non-Touch
SPECIFICATIONS				
Model Name	Pana 105XT	Pana 105X	Pana 81XT	Pana 81X
Resolution	5120 x 2160	5120 x 2160	5120 x 2160	5120 x 2160
Orientation	Landscape, Portrait	Landscape, Portrait, 45° tilt-down	Landscape, Portrait, Table	Landscape, Portrait, Table
Screen Size	105" (2667mm) diagonal	105" (2667mm) diagonal	81" (2057mm) diagonal	81" (2057mm) diagonal
Contrast Ratio	1,000,000:1	1,000,000:1	1,000,000:1	1,000,000:1
Peak Luminance	2200 cd/m²	2200 cd/m²	1900 cd/m²	2100 cd/m²
Refresh Rate	120 Hz	120 Hz	120 Hz	120 Hz
Viewing Angle	178° H/V	178° H/V	178° H/V	178° H/V
Lifetime	≥ 50,000 Hrs	≥ 50,000 Hrs	≥ 50,000 Hrs	≥ 50,000 Hrs
Response Time	8 msec	8 msec	8 msec	8 msec
Display	21:9 aspect ratio, anti-glare, IPS LCD with a Mini-LED backlight comprising 2304 independent dim zones, color enhancing Quantum Dot technology and FlatFrog InGlass touch with 20 simultaneous touch points.	21:9 aspect ratio, anti-glare, IPS LCD with a Mini-LED backlight comprising 2304 independent dim zones, color enhancing Quantum Dot technology.	21:9 aspect ratio, anti-glare, IPS LCD with a Mini-LED backlight comprising 2048 independent dim zones, color enhancing Quantum Dot technology, frame-less metal-mesh capacitive with 40 simultaneous touch points	21:9 aspect ratio, anti-glare, IPS LCD with a Mini-LED backlight comprising 2048 independent dim zones, color enhancing Quantum Dot technology. Frame-less design.
Color Gamuts Supported	Rec.709 / DCI-P3 / Rec.2020	Rec.709 / DCI-P3 / Rec.2020	Rec.709 / DCI-P3 / Rec.2020	Rec.709 / DCI-P3 / Rec.2020
POWER				
Input Current	100-240 VAC 60/50 Hz 12 Amp	100-240 VAC 60/50 Hz 12 Amp	100-240 VAC 60/50 Hz 12 Amp	100-240 VAC 60/50 Hz 12 Amp
Power Standby	0.5 W	0.5 W	0.5 W	0.5 W
Internal Speaker System	4+1 speakers, including a dedicated sub, total output 78W (2.1 audio track support only)	4+1 speakers, including a dedicated sub, total output 78W (2.1 audio track support only)	4+1 speakers, including a dedicated sub, total output 78W (2.1 audio track support only)	4+1 speakers, including a dedicated sub, total output 78W (2.1 audio track support only)
Typical Power Consumption	398 W	398 W	308 W	308 W
Max Power Consumption	1200 W	1200 W	1200 W	1200 W
USB-C PD Output	100 W	100 W	100 W	100 W
Operating Temperature	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)	32° - 104°F (0° - 40°C)
CONNECTIVITY				
DisplayPort 2.0 In	1	1	1	1
DisplayPort 2.0 Out	1 (MST)	1 (MST)	1 (MST)	1 (MST)
HDMI 2.1 In	1	1	2	1
USB-C	1	1	1	1
USB 2.0 Type-A	4	4	4	4
3.5mm Line Out	1	1	1	1
S/PDIF Digital Optical Out	1	1	1	1
Ethernet (RJ45) / RS232 (DB9)	1/1	1/1	1/1	1/1
Jupiter PC Module (JPCM)	JAE 80 pin	JAE 80 pin	JAE 80 pin	JAE 80 pin
ACCESSORIES				
Ships With	Pana user manual, power cable, remote control, pen	Pana user manual, power cable, remote control	Pana user manual, power cable, remote control, pen	Pana user manual, power cable, remote control
Pana X Proprietary Computer Module (optional slot-in)	Intel i7 12700H, Nvidia RTX 3050, 16GB DDR4, 256GB (NVME), LAN, Wi-Fi, Bluetooth, USB-C	Intel i7 12700H, Nvidia RTX 3050, 16GB DDR4, 256GB (NVME), LAN, Wi-Fi, Bluetooth, USB-C	Intel i7 12700H, Nvidia RTX 3050, 16GB DDR4, 256GB (NVME), LAN, Wi-Fi, Bluetooth, USB-C	Intel i7 12700H, Nvidia RTX 3050, 16GB DDR4, 256GB (NVME), LAN, Wi-Fi, Bluetooth, USB-C
Pana Pen	Passive Pen, 4mm tip		Passive Pen, 3mm tip	
DIMENSIONS				
Unit Dimensions	104.7" x 43.1" x 3.1" (2659 x 1096 x 78 mm)	104.7" x 43.1" x 3.1" (2659 x 1096 x 78 mm)	78.6" x 32.7" x 3" (1919 x 831 x 76 mm)	78.6" x 32.7" x 3" (1919 x 831 x 76 mm)
Unit Weight	209 lbs (95 kg)	207 lbs (94 kg)	137 lbs (62 kg)	137 lbs (62 kg)
Shipping Dimensions	105.8" x 53.1" x 11" (2687 x 1348 x 280 mm)	105.8" x 53.1" x 11" (2687 x 1348 x 280 mm)	84.6" x 40.2" x 10.4" (2148 x 1020 x 263 mm)	84.6" x 40.2" x 10.4" (2148 x 1020 x 263 mm)
Shipping Weight	275 lbs (125 kg)	275 lbs (125 kg)	174 lbs (79 kg)	174 lbs (79 kg)
Mount Pattern	1500 x 600 mm	1500 x 600 mm	1000 x 400 mm	1000 x 400 mm
CERTIFICATIONS				
Regulatory and Safety Certifications	CE, FCC, RoHS, Energy Star	CE, FCC, RoHS, Energy Star	CE, FCC, RoHS, Energy Star	CE, FCC, RoHS, Energy Star

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