Pana X

120Hz quantum dot mini-LED backlit 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 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 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 BoxTM.

Pana X specifications

SPECIFICATIONS	Pana 105XT (touch)	Pana 105X (non-touch)	Pana 81X (non-touch)
Model name	Pana 105XT	Pana 105X	Pana 81X
Resolution	5120 x 2160		5120 x 2160
Orientation	Landscape, Portrait	Landscape, Portrait, 45° tilt-down	Landscape, Portrait, Face-up table
Screen size	105" (2659 mm) diagonal		81" (2047.2mm) diagonal
Backlight	Quantum Dot Mini-LED with dual brightness enhancement		Quantum Dot Mini-LED with dual brightness enhancement
Local dimming	2304 zones		2048 zones
Contrast ratio	1,000,000:1		1,000,000:1
Peak luminance	2200 cd/m²		2200 cd/m²
Refresh rate	120 Hz		120 Hz
Viewing angle	178° H/V		178° H/V
Lifetime	≥ 50,000 Hrs		≥ 50,000 Hrs
Response time	8 msec		8 msec
Display	21:9 aspect ratio IPS LCD, anti-glare, optically bonded, tempered, anti-glare edge to edge glass.		21:9 aspect ratio IPS LCD, anti-glare, optically bonded, tempered, anti-glare edge to edge glass.
Touch technology	Metal-,mesh touch with 20 simultaneous touch points.		n/a
Color gamuts supported	Rec.709 / DCI-P3 / Rec.2020		Rec.709 / DCI-P3 / Rec.2020
VESA DisplayHDR (pending)	VESA DisplayHDR 1400		VESA DisplayHDR 1000
POWER			
Input current	100-240 VAC 60/50 Hz 12 Amp		100-240 VAC 60/50 Hz 12 Amp
Power standby	0.5 W		0.5 W
Internal speaker system	4+1 speakers, including a dedicated sub, total output 50W (2.1 audio track support only)		4+1 speakers, including a dedicated sub, total output 50W (2.1 audio track support only)
Power consumption	398W (typical) 1200W (maximum)		308W (typical) 1200W (maximum)
USB-C PD output	100 W		100 W
Operating temperature	32° - 104°F (0° - 40°C)		32° - 104°F (0° - 40°C)
CONNECTIVITY			
DisplayPort 2.0 in	1		1
DisplayPort 2.0 out	1 (MST)		1 (MST)
HDMI 2.1 in	1		2
USB-C	1		1
USB	**USB 2.0:** 1x Type-A (update port), 3x Type-B (touch port) **USB 3.0:** 2x Type-A (shared port)		**USB 2.0:** 1x Type-A (update port), 3x Type-B (touch port) **USB 3.0:** 2x Type-A (shared port)
3.5mm line out	1		1
Optical Audio Out	1		1
Ethernet (RJ45) / RS232 (DB9)	1/1		1/1
Jupiter PC Module (JPCM)	JAE 80 pin		JAE 80 pin
ACCESSORIES			
Ships with	Pana user manual, power cable, remote control, 3mm tip passive pen	Pana user manual, power cable, remote control	Pana user manual, power cable, remote control
Pana X Proprietary Computer Module (optional slot-in)	Intel i7 12700H 16GB DDR4, Nvidia RTX 3050 (discrete GPU) 256GB (NVME), LAN, Wi-Fi 6, Bluetooth, USB-C		Intel i7 12700H 16GB DDR4, Nvidia RTX 3050 (discrete GPU) 256GB (NVME), LAN, Wi-Fi 6, Bluetooth, USB-C
DIMENSIONS			
Unit dimensions	98.9" x 43.1" x 3.1" (2512.2 x 1095.8 x 77.9 mm)		76.3" x 33.5" x 3" (1937 x 849.7 x 75.7 mm)
Unit weight	209 lbs (96 kg)	207 lbs (95 kg)	139 lbs (63 kg)
Shipping dimensions	105.1" x 53.1" x 11" (2670 x 1348 x 280 mm)		83.9" x 40.6" x 10.5" (2130 x 1030 x 267 mm)
Shipping weight	276 lbs (126 kg)	278 lbs (125 kg)	174 lbs (79 kg)
VESA mount pattern	1500 x 600 mm		1000 x 400 mm
CERTIFICATIONS			
Regulatory and safety certifications	CE, FCC, RoHS, Energy Star		CE, FCC, RoHS, Energy Star

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