



The 21:9 Playbook

From the Rack to the Wall



The definitive guide to Jupiter's 21:9 ultrawide 5K ecosystem for enterprise

Innovation That Matters

Our Mission

Jupiter's mission is to provide the most advanced and reliable product solutions available. Our technology empowers customers to make informed decisions and drive growth through real-time collaboration visualization technology.

Our 40+ years of experience have taught us that customer needs constantly evolve, so we unceasingly invest in research and development to stay ahead of the curve.

Our proprietary design, engineering, and supply chain management allow us to control the production process completely, ensuring that every product meets our rigorous standards.

We are the originators of the enterprise 21:9 form factor.

40+

Years of Experience

21:9

Dedicated Form Factor

5K

Native Resolution



THE 21:9 ADVANTAGE

Why ultrawide format is the future of enterprise visualization

THE 21:9 ADVANTAGE

The Ultrawide Revolution

Why enterprises are moving beyond 16:9

33%

More Horizontal Pixels

21:9 delivers 5120 horizontal pixels vs 3840 on 16:9, providing 33% more workspace for data-intensive operations

2.8M

Additional Pixels

From 8.3M pixels (4K) to 11.1M pixels (5K 21:9), giving operators more real estate for critical information

178°

Human Field of View

The 21:9 aspect ratio aligns naturally with the human binocular field of view, reducing eye strain during extended use

Industry Context

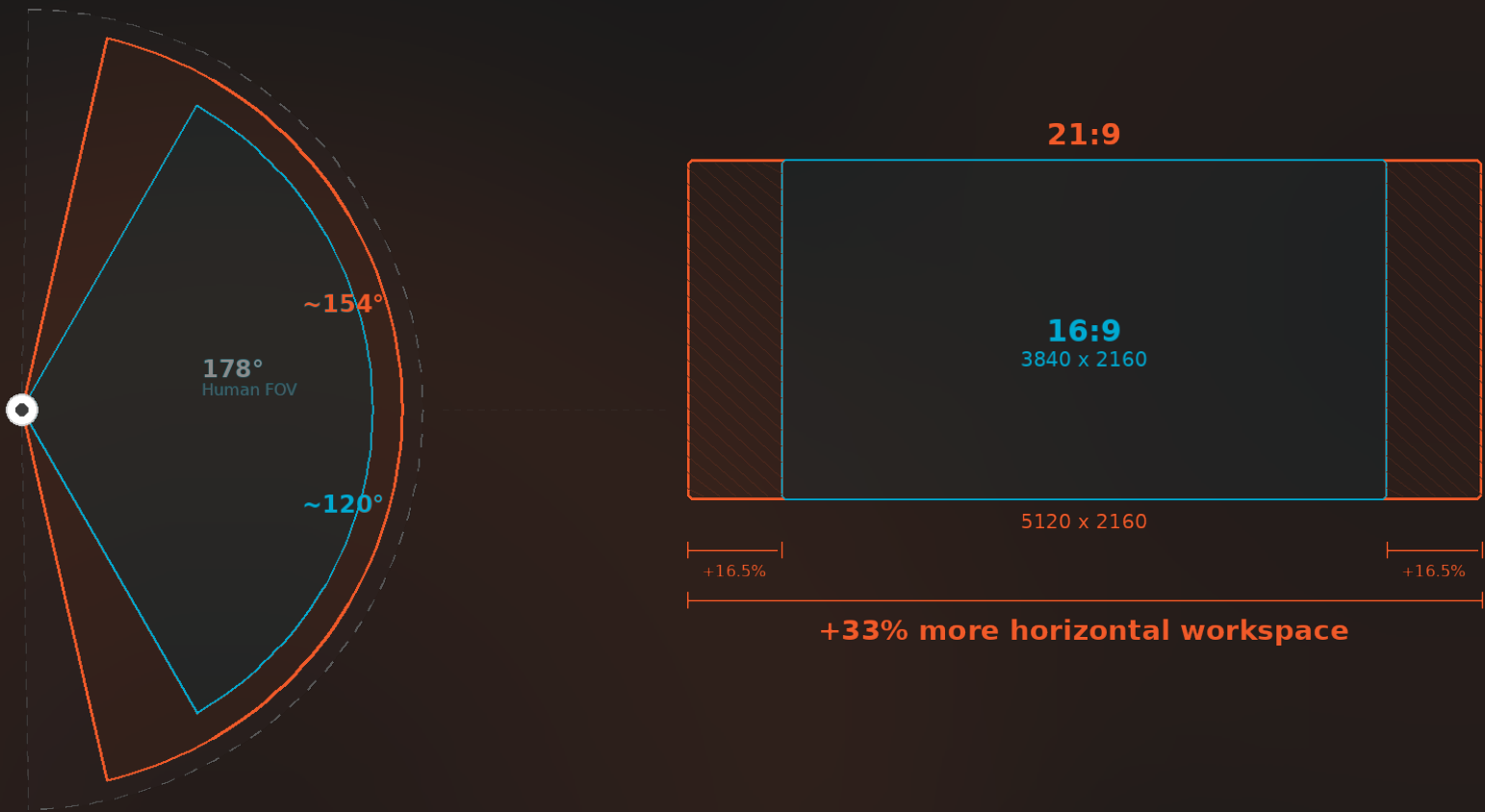
- The ultrawide display market is projected to grow at 8.2% CAGR through 2030, driven by enterprise adoption in command and control, collaboration, and digital signage
- Enterprise 21:9 adoption accelerated after Microsoft Teams and Zoom added native ultrawide support, validating the format for mainstream collaboration
- Jupiter was the first company to commercialize 21:9 5K ultrawide displays for enterprise in 2021, establishing the category standard

Designed for Human Vision

Field of View: Why 21:9 Works

Ultrawide displays align with natural human vision for reduced fatigue and improved situational awareness

21:9 Ultrawide 16:9 Standard



178°
Human Horizontal FOV

33%
More Horizontal Pixels

~30%
Fewer Saccadic Movements

21:9
Matches Natural Vision

Natural Field of View

The human binocular visual field spans approximately 178° horizontally but only 120° vertically, a natural 21:9-like panoramic view. Ultrawide displays align with this biological reality, allowing operators to absorb more information without head movement.

Reduced Eye Strain

Studies show that panoramic displays reduce saccadic eye movements by up to 30% compared to multi-monitor setups with bezels. Fewer eye jumps means less fatigue during 12+ hour shifts in control rooms.

Ergonomic Advantage

Dual-monitor setups force 15-30° neck rotation to view secondary screens. A single ultrawide eliminates this rotation entirely, supporting better posture during extended operational shifts.

The 5K Resolution Advantage

5120 x 2160 native resolution across every Jupiter 21:9 display

5120

x 2160

Native Resolution

11.1M

Total Pixels

21:9

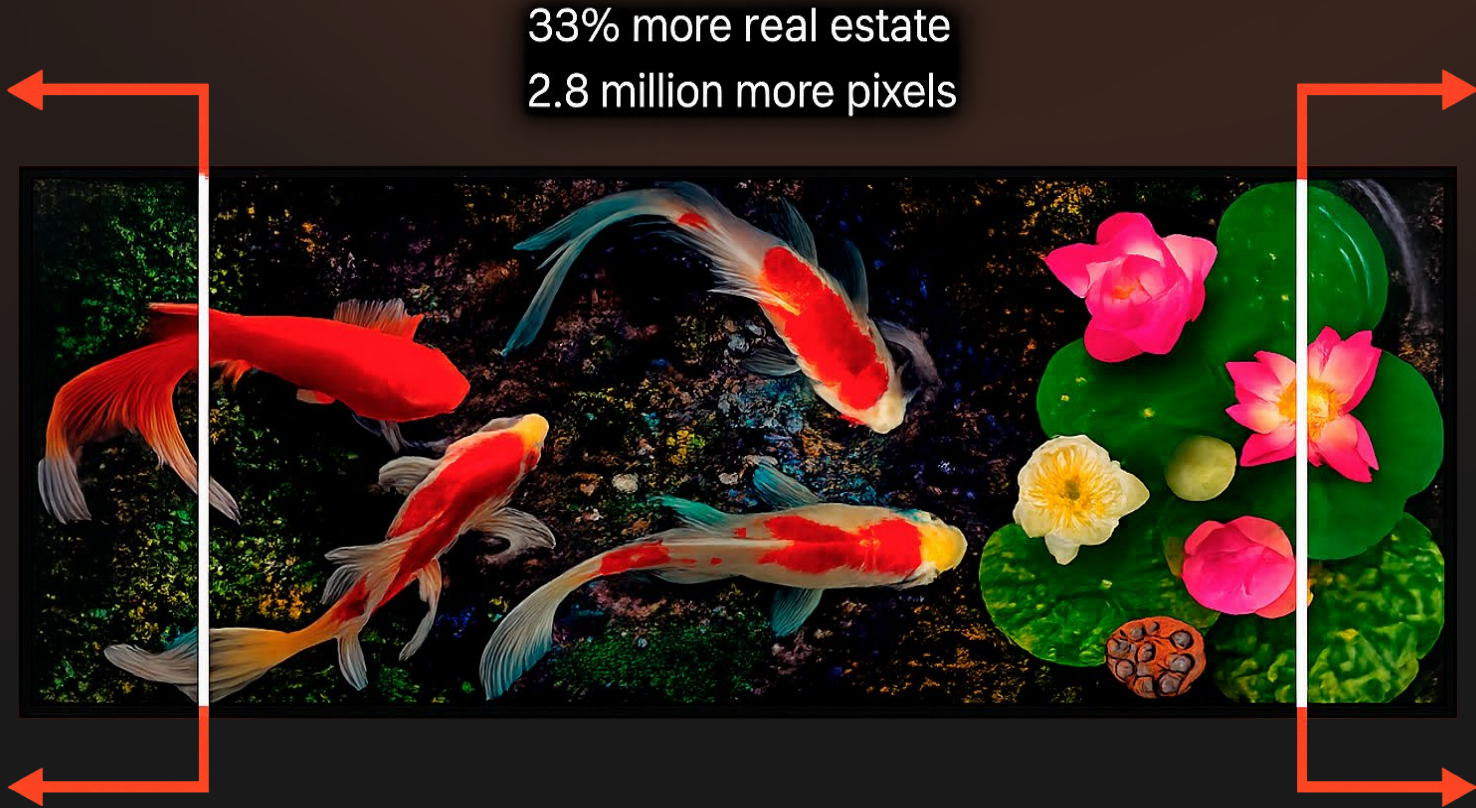
Aspect Ratio

25%

Higher binocular FOV coverage

5K vs 4K: The Enterprise Difference

Feature	4K (3840x2160)	5K 21:9 (5120x2160)
Total Pixels	8.3 million	11.1 million (+33%)
Horizontal Resolution	3,840 pixels	5,120 pixels (+33%)
Aspect Ratio	16:9	21:9 (panoramic)
Dual-App Side-by-Side	1920px per app	2560px per app
FOV Coverage	~60% binocular	~85% binocular



Jupiter's Pioneer Story



1981

2014

2020

2021

2023

2025

Founded

Jupiter Systems established as a pioneer in visualization technology

Video Wall Innovation

Advanced multi-source video wall processing for enterprise

Pana Launch

First 21:9 ultrawide LCD displays for professional AV

5K Ultrawide First

First to commercialize 21:9 5K ultrawide for enterprise

MicroLED Era

Zavus XP MicroLED displays with custom 21:9 5K configurations

Full Ecosystem

Complete end-to-end 21:9 from 34" to 281" with processors and software

21:9 ADVANTAGE

The Collaboration Advantage

Why ultrawide changes the way teams work together

33%

More screen real estate
than 4K (16:9)

5K

5120 x 2160 native
resolution

16

Simultaneous windows
on a single Pana display

No More Source Switching

- Run video conference and content side by side, no input switching required
- Share your screen without losing sight of participants
- Whiteboard, present, and collaborate simultaneously on one surface
- Replace multi-monitor setups with a single panoramic canvas
- Microsoft Front Row layout designed specifically for 21:9 ultrawide displays

Lower Camera Mount

Shorter display height enables camera positioning closer to eye level for natural video calls

Easier Touch Interaction

Wider but shorter format means presenters can reach all touch points without stretching

Fits Through Doors

21:9 profile clears standard freight elevators and doorways that tall 16:9 displays cannot

Better Ergonomics

One continuous surface replaces the multi-monitor setup, reducing neck strain and bezel interruptions

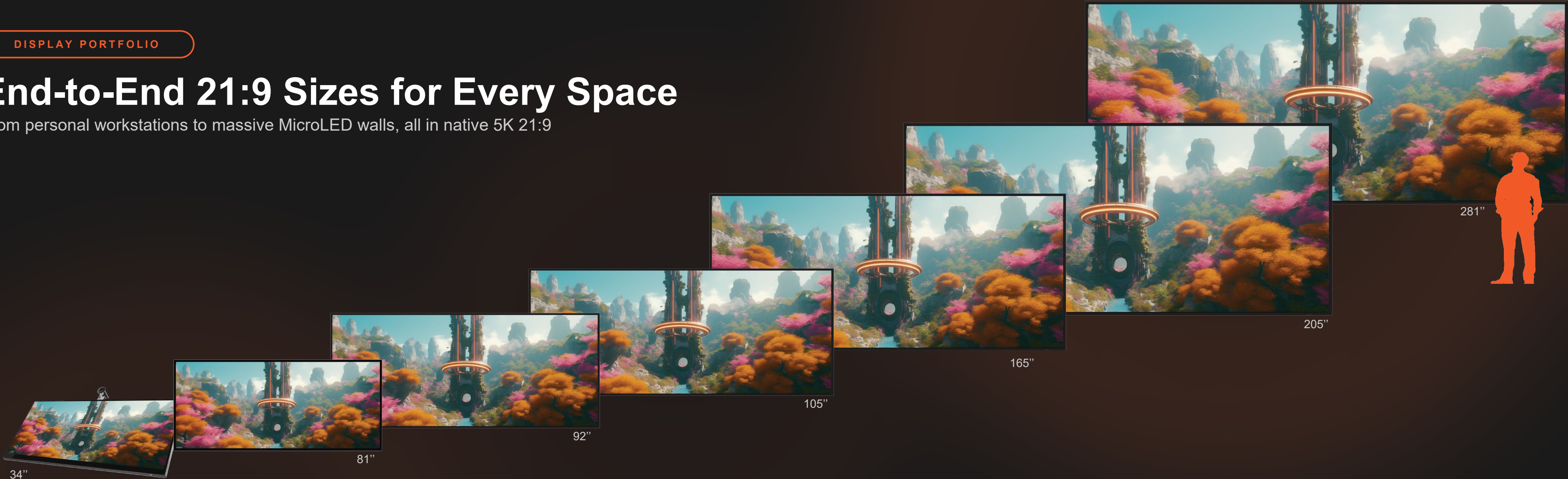
"We give you a lot of real estate in pixels, so you can run the video conference and other windows for the group to look at, and you don't switch the input."

DISPLAY PORTFOLIO

Pana LCD and Zavus MicroLED, from 34 to 281 inches

End-to-End 21:9 Sizes for Every Space

From personal workstations to massive MicroLED walls, all in native 5K 21:9



Pana 34

34"

LCD

Personal workstation

3440 x 1440

Pana 81/Pana 81X

81"

LCD

Conference rooms

5120 x 2160

Pana 92CT

92"

LCD

Large meeting rooms

5120 x 2160

Pana 105/ Pana 105X

105"

LCD

Collaboration hub

5120 x 2160

Zavus XP7

165"

MicroLED

Large collaboration

5120 x 2160

Zavus XP9

205"

MicroLED

Executive boardrooms

5120 x 2160

Zavus XP12

281"

MicroLED

Command centers

5120 x 2160

Large Pana 5K 21:9 Ultrawide LCD Family

Pana 105D

Large Format Display

Flagship



Size: 105"
Resolution: 5120x2160
Brightness: 700 nits
Touch: No
Input: HDMI, DP, USB-C, OPS

Pana 105T

Large Format Touch



Size: 105"
Resolution: 5120x2160
Brightness: 700 nits
Touch: 20-point IR
Input: HDMI, DP, USB-C, OPS

Pana 81D

Mid-Size Display



Size: 81"
Resolution: 5120x2160
Brightness: 700 nits
Touch: No
Input: HDMI, DP, USB-C, OPS

Pana 81T

Mid-Size Touch



Size: 81"
Resolution: 5120x2160
Brightness: 700 nits
Touch: 20-point metal mesh
Input: HDMI, DP, USB-C, OPS

Pana 92CT

Collaboration Hub

New



Size: 92"
Resolution: 5120x2160
Brightness: 700 nits
Touch: 40-point IR
Input: HDMI, DP, USB-C, OPS

Pana 105X

Premium Large Format



Size: 105"
Resolution: 5120x2160
Brightness: 2200 nits
Touch: No
Input: HDMI 2.1, DP 2.0, USB-C

Pana 105XT

Premium Large Touch



Size: 105"
Resolution: 5120x2160
Brightness: 2200 nits
Touch: 20-point metal mesh
Input: HDMI 2.1, DP 2.0, USB-C

Pana 81X

Premium Mid-Size



Size: 81"
Resolution: 5120x2160
Brightness: 2200 nits
Touch: No
Input: HDMI 2.1, DP 2.0, USB-C

Pana Standard: Versatile Enterprise

The Workhorse of Enterprise Ultrawide

The Pana Standard series delivers the core 5K 21:9 experience at a compelling price point. Available in 105-inch and 81-inch sizes, both touch (T) and display-only (D) variants.

Resolution: 5120 x 2160 (5K 21:9)

Brightness: 700 nits with local dimming

Touch: IR (105T) or Metal-Mesh (81T)

Inputs: HDMI x1 (D) / x2 (T), DisplayPort, USB-C, OPS

Control: RS232, TCP/IP, UDP, IR remote

TAA: Available on select configurations

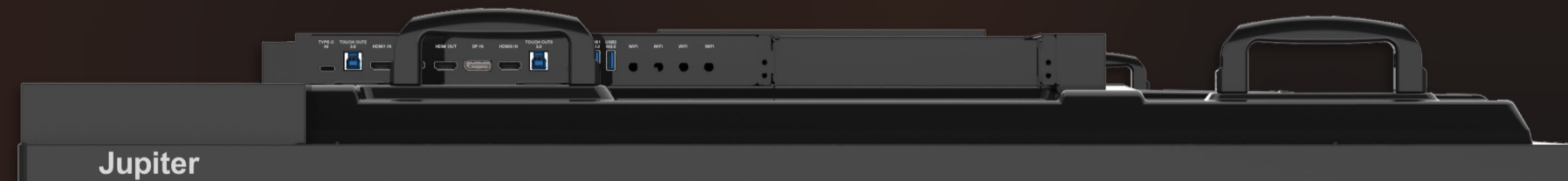


Key Differentiators

- Same 5K panel as the X series at a lower price point
- OPS slot for built-in Windows 11 PC (no external hardware)
- Full API control via RS232, TCP/IP, and UDP
- 20-point touch for interactive collaboration

PANA DISPLAYS

Pana 92CT: Collaboration Reimagined



Purpose-Built for Collaboration

- 92-inch 21:9 ultrawide with 40-point touch
- Ports on all side for easy access
- Built-in microphone array and speakers
- Microsoft Teams and Zoom Rooms 5K ultrawide enhanced
- Barco ClickShare certified for BYOD
- OPS slot for all-in-one computing

All-in-One Meeting Room

The 92CT replaces up to 4 separate devices: display, microphone, speaker, and PC. One cable, one device, one experience.

Front Ports

Mic Array

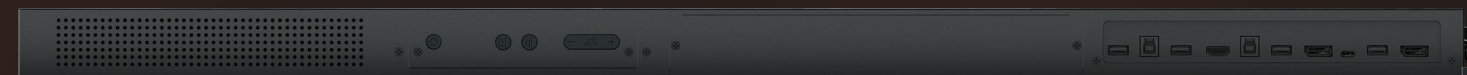
Speakers

Teams

Zoom

ClickShare

Pana X: Premium Performance



Jupiter

What Sets the X Apart

- Anti-glare glass with optical bonding for reduced reflections
- 2200 nits peak brightness with local dimming for superior contrast
- ADA compliant Slim bezel design for seamless multi-display deployments
- Available in both 105-inch and 81-inch configurations

Anti-Glare

2200 nits

Mini-LED

JPCM Slot

USB-C

RS232

Ideal For

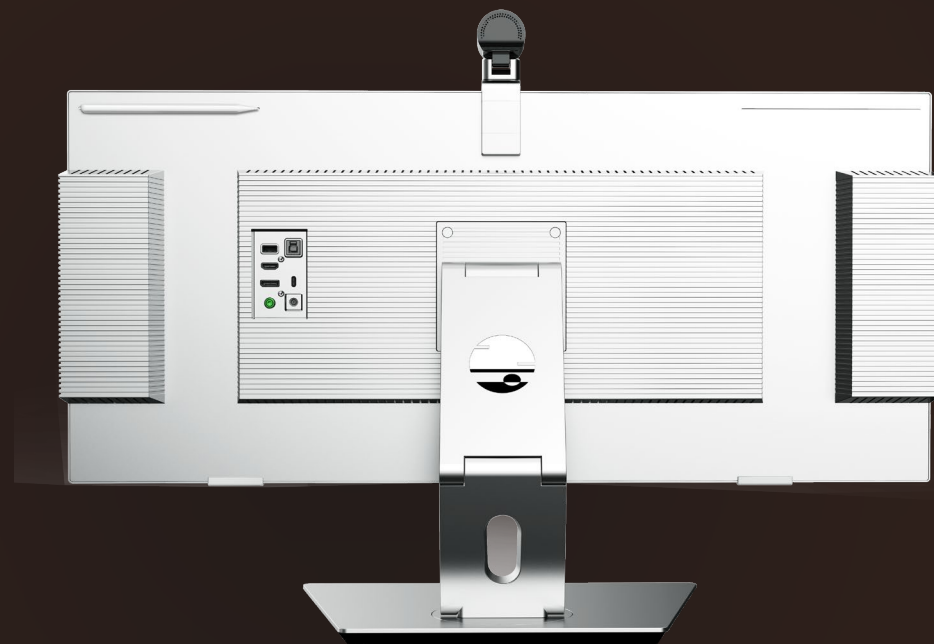
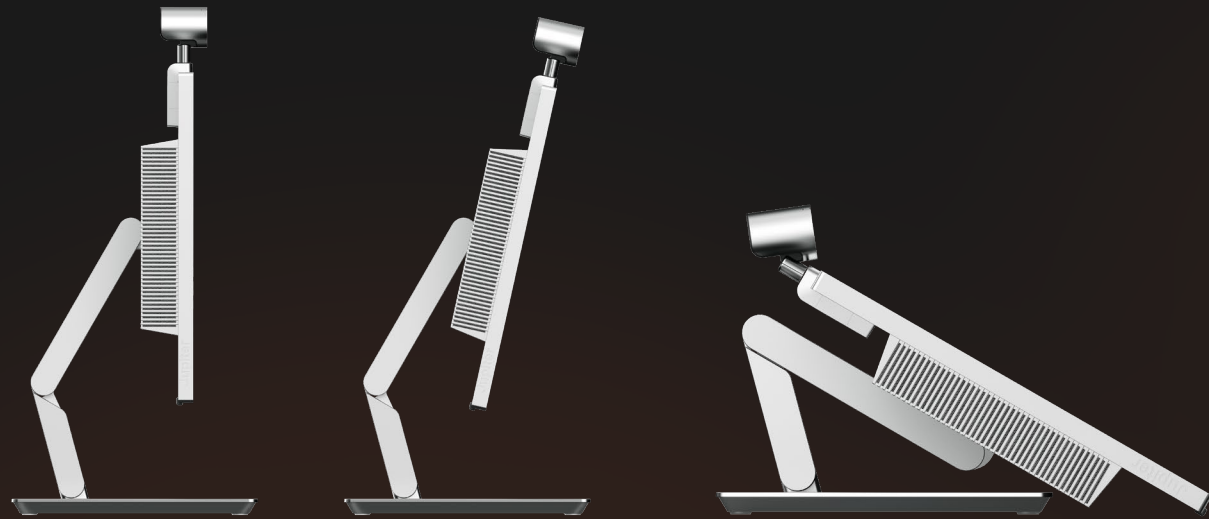
- Executive boardrooms with ambient light
- Government briefing rooms (TAA compliant)
- High-end collaboration spaces



PANA DISPLAYS

Pana 34: The Personal Ultrawide

zoom Certified



Desktop Ultrawide Excellence

Size: 34" (86cm diagonal)
Resolution: 3440 x 1440 (4K 21:9)
Brightness: 400 nits
Inputs: USB-C (65W PD), HDMI, DP
Ergonomics: Tilt, swivel, height adjust, pivot
Unique: 4K Camera & Microphones built-in

Perfect For

- Hot-desking and personal workstations
- Financial trading with wide data views
- Design and engineering workflows
- Corporate offices wanting consistent 21:9
- Single-cable laptop docking via USB-C



Pana Family Comparison

Feature	Pana 105X	Pana 105XT	Pana 81X	Pana 105D	Pana 105T	Pana 81D	Pana 81T	Pana 92CT	Pana 34
Screen Size	105"	105"	81"	105"	105"	81"	81"	92"	34"
Resolution	5120x2160	5120x2160	5120x2160	5120x2160	5120x2160	5120x2160	5120x2160	5120x2160	3440x1440
Refresh Rate	120 Hz	120 Hz	120 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	165Hz
Brightness	2200 nits	2200 nits	2100 nits	700 nits	700 nits	700 nits	700 nits	700 nits	400 nits
Backlight	Mini-LED	Mini-LED	Mini-LED	LED	LED	LED	LED	LED	VA LCD
Touch	No	20-pt Mesh	No	No	20-pt IR	No	20-pt Mesh	40-pt IR	10-pt
HDMI In	1 (2.1)	1 (2.1)	2 (2.1)	1	2	1	2	2	1
DisplayPort In	1 (DP 2.0)	1 (DP 2.0)	1 (DP 2.0)	No	No	No	No	No	1
OPS / Module	Proprietary	Proprietary	Proprietary	OPS	OPS	OPS	OPS	OPS	No
USB-C (PD)	Yes (100W)	Yes (100W)	Yes (100W)	Yes	Yes	Yes	Yes	Yes	Yes (65W)
RS232 Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Camera	No	No	No	No	No	No	No	No	4K Built-In

All models: 21:9 aspect ratio, 5K resolution, IPS LCD. Pana X features quantum dot Mini-LED backlight with 2000+ dimming zones.

Pana Display Control: Three Protocols, Total Command

TCP/IP

Port 9999 (default)

Recommended for enterprise deployments. The Pana listens as a TCP server, accepting connections from API controllers, building management systems, or custom automation scripts.

Best for: IP-networked enterprise environments

Features:

- Reliable bidirectional communication
- Configurable port number
- Multiple concurrent connections
- Status query and response

UDP

Configurable port

Ideal for multicast group operations where a single command needs to reach multiple displays simultaneously without connection overhead.

Best for: Multi-display group commands

Features:

- Low-latency fire-and-forget
- Multicast support for groups
- Minimal network overhead
- Simultaneous display control

RS232 Serial

19200 baud, 8N1

For facilities where IP connectivity is restricted or prohibited. Direct, non-networked control channel via standard serial connection.

Best for: Air-gapped and classified facilities

Features:

- No network required
- Direct physical connection
- Government/military approved
- Isolated control channel

Complete API Command Set & PanaConnect

Structured Hex Command Format

Every command uses a structured hexadecimal format with built-in checksum validation, ensuring data integrity across all three transport protocols.

Power Management

Power on, sleep, standby, power state query

Input Selection

USB-C, DisplayPort, OPS, HDMI (x1 or x2), Auto-select

Display Calibration

Brightness, contrast, sharpness, color temperature

OSD & System

OSD lock, language, serial number query, firmware version

Volume Control

Volume level, mute, audio output routing

Compatible with third-party controllers:

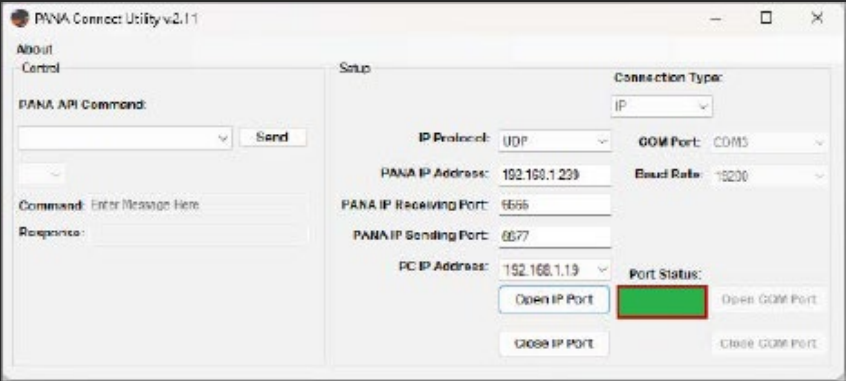
Crestron, Extron, QSC, AMX, Savant, and custom automation systems



PanaConnect

Free Integration Testing Tool

- Desktop utility for API testing and validation
- Connects via serial (RS232) or IP (TCP/UDP)
- Graphical interface to send any API command
- Editable command library from CSV file
- Customizable command sequences for integrators
- Free download for all Jupiter customers

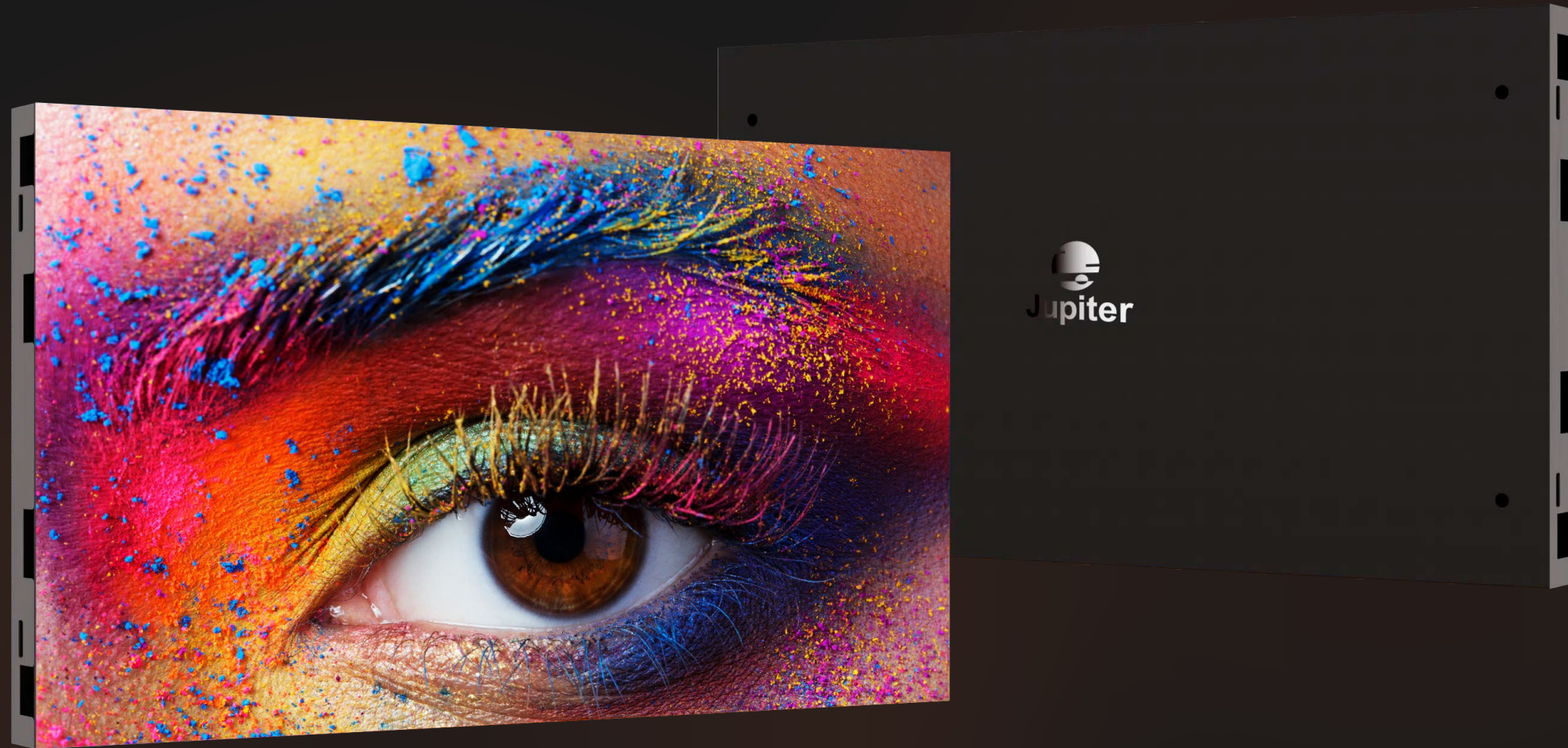


ZAVUS MICROLED

Xtreme Pixel technology for large-format enterprise displays

ZAVUS MICROLED

Zavus XP: Xtreme Pixel MicroLED



MicroLED Excellence

- Three pixel pitches: 0.7mm, 0.9mm, and 1.2mm
- Custom size configurations in 21:9 5K
- Truly seamless, zero-bezel display surface
- 100,000+ hour LED lifetime
- Front-serviceable cabinet design

Available Sizes

Zavus XP7: 165" diagonal

Zavus XP9: 205" diagonal

Zavus XP12: 281" diagonal

Pixel Pitches

0.7mm: Premium, close viewing

0.9mm: Versatile, most popular

1.2mm: Large-scale, value

ZAVUS MICROLED

Custom 21:9 5K MicroLED Configurations

Every Zavus XP wall delivers native 5120 x 2160 resolution in a truly seamless surface

165"

Zavus XP7



Pixel Pitch: 0.7mm
Dimensions: 3,686 x 1,555 mm
Cabinet Config: 7 x 3 = 21

Ideal for:
Large collaboration spaces, executive meeting rooms, luxury hospitality lobbies

205"

Zavus XP9



Pixel Pitch: 0.9mm
Dimensions: 4,608 x 1,944 mm
Cabinet Config: 9 x 4 = 36

Ideal for:
Executive boardrooms, large Zoom/Teams rooms, command visualization

281"

Zavus XP12



Pixel Pitch: 1.2mm
Dimensions: 6,144 x 2,592 mm
Cabinet Config: 12 x 5 = 60

Ideal for:
Command centers, operations hubs, large-scale digital signage

MicroLED vs LCD: Choosing the Right Technology

Pana LCD

- Available in 81, 92, and 105 inch sizes
- 700 nits brightness with local dimming
- Touch capability
- OPS slot for integrated PC
- USB-C connectivity with power delivery
- RS232/TCP/UDP API control
- Lower cost per square inch
- Ideal for rooms under 30 feet viewing distance



Zavus XP MicroLED

- Available from 165 to 281+ inches
- Up to 1,200 nits peak brightness
- Truly seamless, zero-bezel surface
- 100,000+ hour lifetime
- Custom sizes and aspect ratios
- Wide color gamut with perfect blacks
- Front-serviceable modular cabinets
- Ideal for large venues and command centers



PROCESSING AND CONTROL

From the rack to the wall, Catalyst, PixelNet, and Canvas

The Jupiter Processing Ecosystem

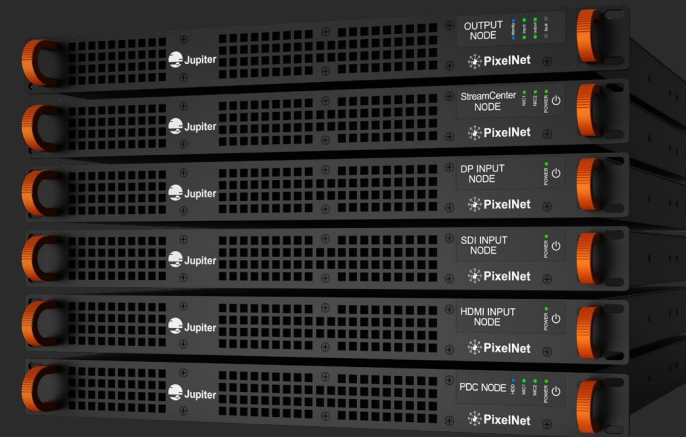
Every Jupiter display is completely secure. No display is connected to the network.



Catalyst

Video Wall Processor

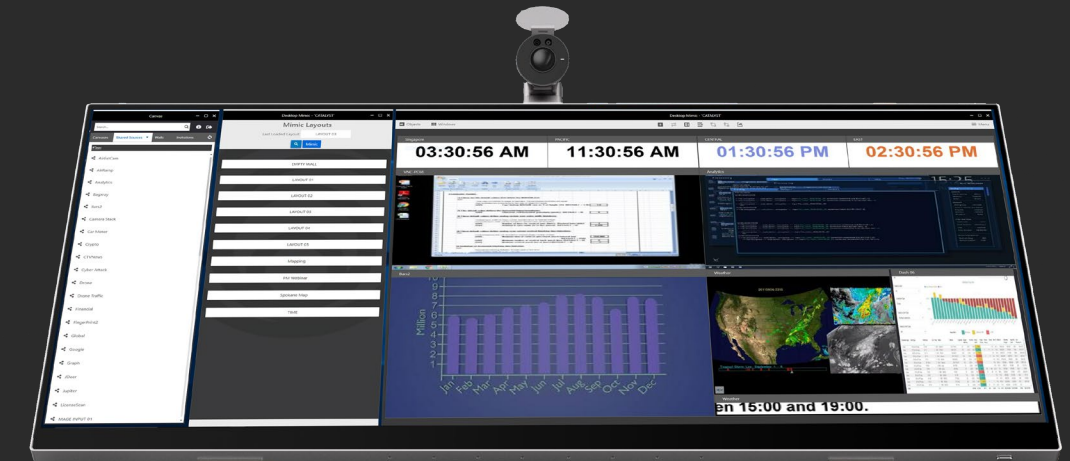
- Multi-source video wall processing
- Up to 156 sources per system
- 4K60 / 5K60 output capability
- Physical inputs: HDMI, DP, SDI
- IP decode and VNC sources
- Canvas software included



PixelNet

Distributed Processing

- Uncompressed L2 distributed architecture
- Zero compression for security-critical ops
- Secure enclosed network, not AV-over-IP
- Input, output, and I/O node types
- Scales to massive installations
- Canvas software included



Canvas

Video Wall Software

- Intuitive drag-and-drop layout
- Real-time source management
- Layout templates and presets
- Multi-user collaboration
- REST API for automation
- Works with Catalyst and PixelNet

CATALYST

5K Compatible Catalyst Video Wall Processors



Spark 2.0

Entry Point

Max Sources: 8
Outputs: 5K60
Chassis: Compact
Inputs: HDMI, DP, IP

Catalyst Element

Compact Power

Max Sources: 24
Outputs: 5K60
Chassis: 1U half-rack
Inputs: HDMI, DP, IP

Catalyst V

Ultra-Quiet Power

Max Sources: 156
Outputs: 5K60
Chassis: 4U rack
Inputs: HDMI, DP, SDI, IP

Catalyst Flare

Coming Soon

Next generation of Jupiter Video Processors

Catalyst XL

Flagship Performance

Max Sources: 156
Outputs: 5K60
Chassis: 4U Rack (multi-chassis)
Inputs: HDMI, DP, SDI, IP

Key Capabilities

- Up to 156 sources in maximum configuration
- 5K60 output on all models
- Physical inputs: HDMI, DisplayPort, SDI
- IP source decode and VNC remote desktop
- Canvas software for intuitive source management

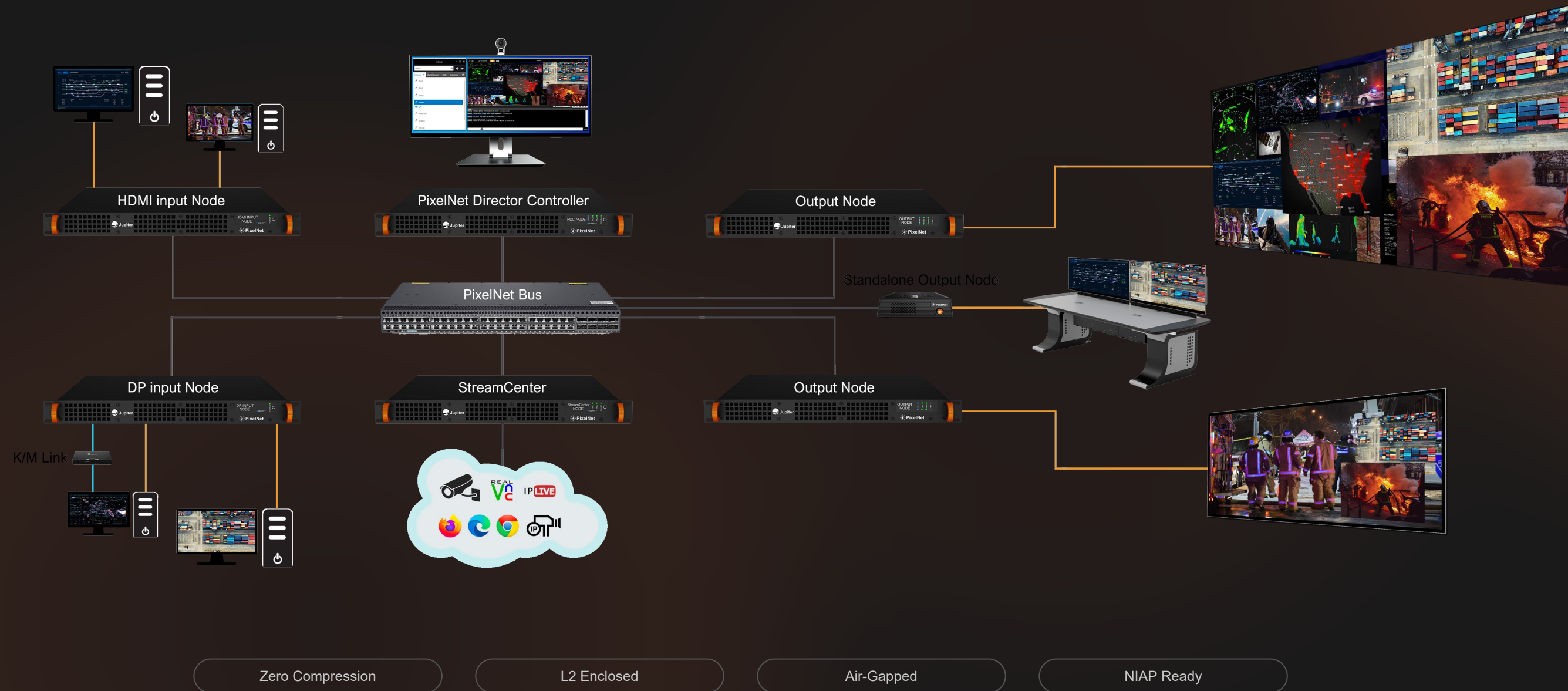
5K compatible Catalyst Model Comparison

Feature	Catalyst XL	Catalyst V	Catalyst Element	Spark 2.0
Max Sources	156	32+	32	12
Output Resolution	5K60 (5120x2160)	5K60 (5120x2160)	5K60 (5120x2160)	5K60 (5120x2160)
PCIe Slots	10-40	5	2	-
HDMI Inputs	Up to 156	Up to 16	Up to 4	-
IP Decode	1500+	100+	12	12
SDI Input	Optional	No	No	No
Canvas Software	Yes	Yes	Yes	Yes
Form Factor	4U Rack	Tower	1U Half-Rack	Compact
Best For	Mission-critical C2	Large video walls	Mid-size walls	Single display

PIXELNET

PixelNet: Distributed Uncompressed Video

Secure, uncompressed, distributed processing over enclosed L2 network



Not AV-over-IP

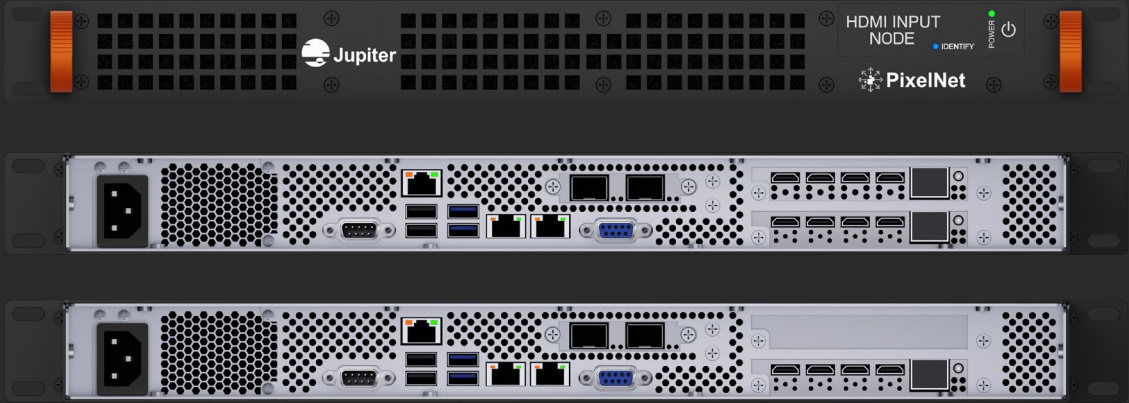
PixelNet is fundamentally different from AV-over-IP solutions. It operates on a secure, enclosed Layer 2 network with zero compression. No packets traverse the corporate network. No compression artifacts. No latency from encoding/decoding cycles.

Why It Matters for Security

- Air-gapped from corporate IT infrastructure
- Zero compression means zero data manipulation risk
- Military and government approved deployments
- No network credentials or IT involvement required
- Physical security of enclosed copper/fiber network

PixelNet Node Architecture

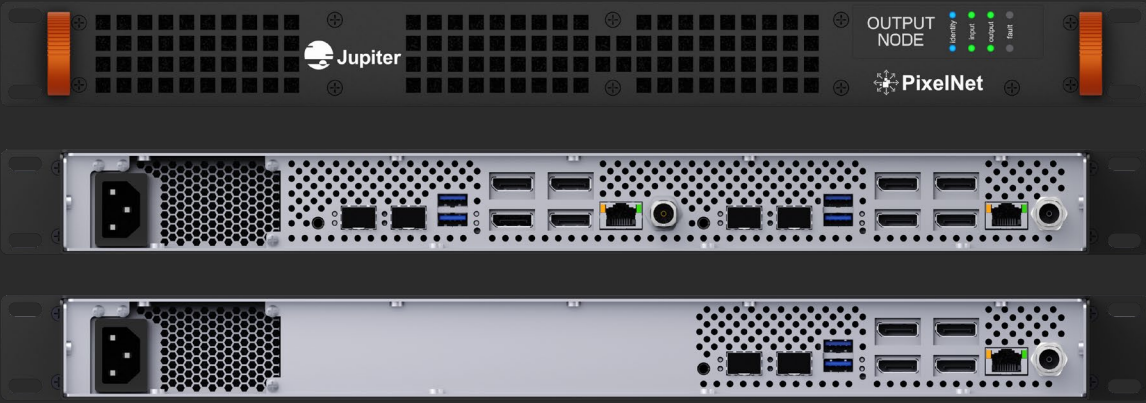
Input Node



Captures sources and distributes them across the PixelNet network

- HDMI Inputs variant:** 4 or 8
- DisplayPort variant:** 2 or 4
- Network:** L2 network
- Form Factor:** 1U rack

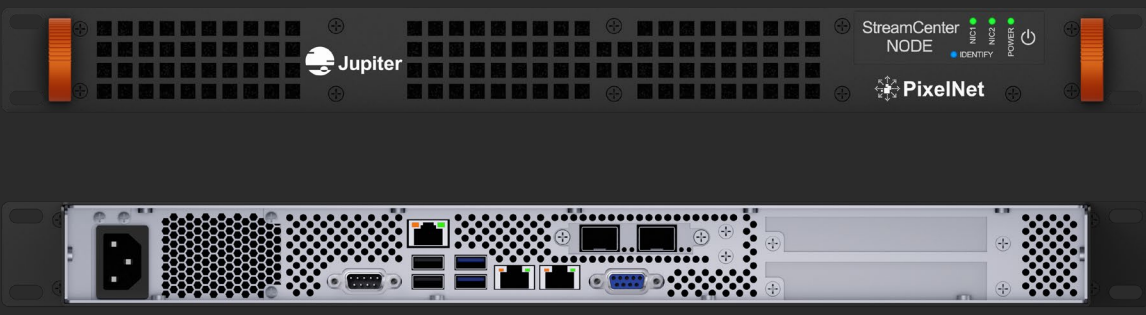
Output Node



Receives distributed sources and drives displays with 5K60 output

- Display Outputs:** up to 3 5K60
- Network:** L2 network
- Canvas:** Canvas web Included
- Form Factor:** 1U rack

Streaming Node



Combines input capture and display output in a single flexible unit

- Streaming Channels:** up to 16
- KVM Support:** 16x web browser or 2x physical with K/M Links
- Network:** L2 network
- Form Factor:** 1U rack

Catalyst vs PixelNet: Choosing Your Architecture

Catalyst

Centralized Processing

- All processing in a single chassis
- Up to 156 sources with Catalyst XL/V
- Physical inputs: HDMI, DP, SDI
- Best for: single-room video walls
- Simpler deployment and management
- Lower entry cost for smaller walls

PixelNet

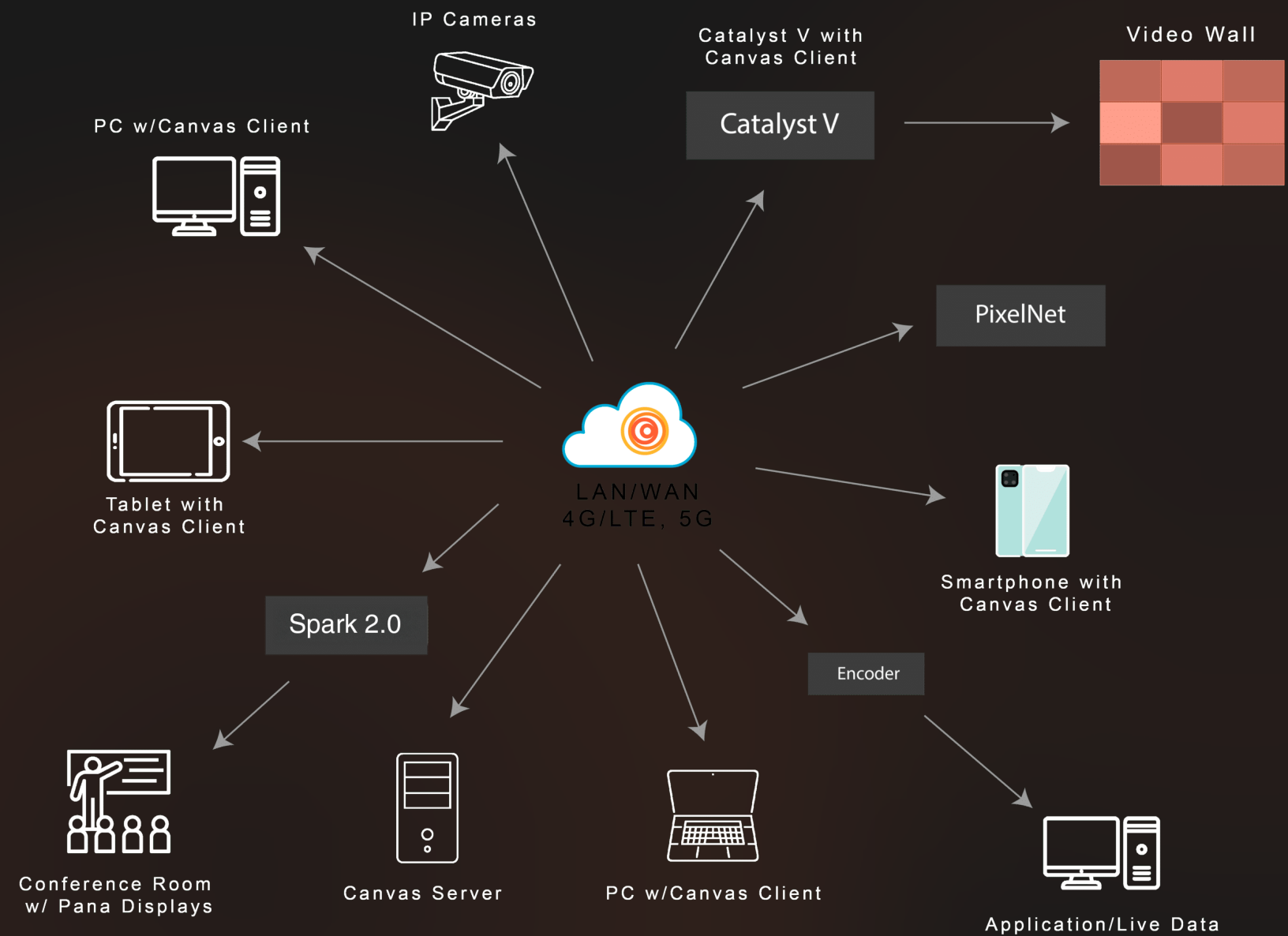
Distributed Processing

- Nodes distributed across the facility
- Scales without central bottleneck
- Uncompressed over enclosed L2 network
- Best for: multi-room, campus-wide deployments
- Superior security for classified environments
- Sources captured at point of origin

Quick Decision Guide

Single room, < 20 sources: Spark/Element | Single room, 20-156 sources: Catalyst V/XL | Multi-room or classified: PixelNet

Canvas: Intuitive Video Wall Management



Note: Canvas is compatible with Catalyst and PixelNet processors, PixelNet only uses Canvas Web

Drag & Drop Layout

Position and resize sources on your wall with intuitive mouse controls

Layout Templates

Save and recall preset layouts for different operational scenarios

Multi-User Access

Multiple operators can manage the wall simultaneously

REST API

Automate layout changes via third-party controllers and scripts

Source Management

Preview, label, and organize all connected sources

DEPLOYMENT

Meeting rooms, boardrooms, and bundled solutions

DEPLOYMENT

Meeting Rooms & Collaboration Spaces



OPS-Powered Meeting Room

Install and run any application on the Windows 11-based OPS module without the need for any external PC. The Pana OPS runs natively in 5120x2160 resolution.

OPS Slot

5K Native

No External PC

Touch

TAA Compliant Bundle

Video Wall in a Box: Spark 2.0 processor bundled with Canvas software and Pana displays for collaboration rooms, training facilities, sensitive engineering, and military/government use.

TAA

Spark 2.0

Canvas

DisplayPort

Microsoft Teams Rooms & Zoom Rooms

Jupiter has worked alongside both vendors to ensure best experience. Our Pana displays are Barco ClickShare Certified for enhanced ultrawide BYOD sharing experiences. Native 21:9 ultrawide compatibility between Pana displays and Teams/Zoom equipment.

Retail, Entertainment & Digital Signage

Single Display Signage



Processor: Spark 2.0

Display: Pana 105/81

Run content locally or decoded via IP. Play existing streams or encode with Jupiter StreamPoint encoders. VNC source support for remote desktops.

Sport venues, retail signage, lobby displays

Multi-Display Video Wall



Processor: Catalyst Element

Display: Pana 81/105 x2

Play local content from video files or applications, or content fed via configurable inputs (IP, HDMI, DP). Single or multiple content windows across multiple displays.

Large retail, entertainment venues, executive centers

Large-Format MicroLED



Processor: Catalyst V / Catalyst XL

Display: Zavus XP MicroLED 1.2mm

Massive seamless displays for premium environments. Powered by Catalyst V or Catalyst XL with expansion chassis.

Large signage, hospitality lobby, luxury home

Executive Offices & Boardrooms

The All-in-One Executive Experience



Run content on the Spark 2.0 either locally or decoded via IP. Jupiter displays and processors are compatible with third-party room control devices (QSC, Crestron, Extron), enabling automated viewing layouts and templates on the Spark 2.0 along with power/source commands on the Pana displays.

Processor: Spark 2.0

Display: Pana 81/105 or Pana X

Control: QSC, Crestron, Extron compatible

Sources: VNC, web pages, local content, IP streams

Pana 34 Workstations



The all-in-one nature of the Pana 34 and its ingenious ergonomics make it the most versatile hot-desk display on the market.

Connection: Single USB-C cable

Power Delivery: 65W to laptop

Resolution: 5120x2160 native

MARKETS

From the command center to the trading floor

Command and Control Centers



Why Jupiter for C2

- Panoramic view matches human FOV for situational awareness
- Seamless ultrawide eliminates bezel gaps that split critical data
- 24/7 rated for continuous operation
- RS232/TCP/UDP control for integration with C2 systems
- PixelNet for classified, air-gapped environments
- Catalyst for large multi-source video walls
- Single color profile across all displays

24/7

Continuous Operation

30%

Less Eye Fatigue

0

Bezels Splitting Data

156

Max Sources (Catalyst)

Security Operations Centers

Real-Time Surveillance at Scale

- Panoramic ultrawide view for comprehensive camera coverage
- Zero-bezel surface prevents critical detail from falling between screens
- 5K resolution for sharp camera feeds even in multi-up layouts
- PixelNet's uncompressed pipeline preserves every pixel of evidence
- API control for integration with security management systems
- Canvas software for dynamic layout switching between scenarios



Campus Security

Multiple Pana 105 displays with Catalyst V processing 50+ camera feeds across a single unified wall

Pana 105 x3 + Catalyst V

Government Facility

PixelNet distributed architecture for classified environments requiring air-gapped video infrastructure

Pana 81 + PixelNet (air-gapped)

Corporate HQ

Pana 81 displays with Spark 2.0 for visitor management, access control, and lobby security monitoring

Pana 81 + Spark 2.0

Utility, Energy and Enterprise

Utility Control Rooms



- SCADA visualization on 21:9 displays
- Real-time grid monitoring across panoramic view
- 24/7 rated for continuous utility operations
- Integration with industrial control systems

Corporate Enterprise



- Corporate briefing rooms with Pana 92CT
- Hot-desking with Pana 34 personal workstations
- Campus-wide video distribution via PixelNet
- Teams/Zoom certified for hybrid meetings

Education & Training



- Large-format touch for interactive lectures
- Multi-source display for training simulations
- Collaboration-ready with Teams/Zoom support
- Durable design for high-traffic environments

Military and Defense Applications

Mission-Critical Visualization

- JITC compliant hardware with PixelNet
- TAA Bundles with Catalyst Spark 2.0
- PixelNet enables air-gapped, classified deployments
- Zero compression preserves intelligence data integrity for PixelNet
- RS232 serial control for isolated, non-networked facilities
- 5K resolution for detailed map and imagery analysis
- Panoramic 21:9 format for situational awareness displays
- Zavus XP front-serviceable MicroLED for minimal maintenance downtime

Classified Briefing Room Deployment

Multiple classified video feeds routed through PixelNet to Pana displays. Physical RS232 control ensures no network exposure. All hardware TAA compliant.



Compliance & Certifications

TAA Compliant

Air-Gapped

Zero Compression

RS232 Control

Jupiter products are deployed in defense installations worldwide, meeting the most stringent security and procurement requirements.



TAA Compliant Bundles: Video Wall in a Box

Ready-to-deploy packages meeting FAR 52.225-5 Trade Agreements Act requirements

Collaboration Bundle

Processor: Spark 2.0
Display: Pana 105T or 81T

Bundle Includes:

- Spark 2.0 processor
- Canvas software license
- Pana display (touch)
- Rapid deployment

Ideal for:

Government meeting rooms, SCIF collaboration, training facilities

Command Center Bundle

Processor: Spark 2.0
Display: Pana 105 x2-3

Bundle Includes:

- Spark 2.0 processor
- Canvas software license
- Output up to 3x Pana displays
- Windowing over multiple displays
- Discreet hardware

Ideal for:

Operations centers, emergency management, military C2 rooms

Enterprise Display Bundle

Processor: Spark 2.0
Display: Pana 105D or 81D

Bundle Includes:

- Spark 2.0 processor
- Canvas software license
- Pana display (non-touch)
- Digital signage ready
- Portrait or Landscape

Ideal for:

Government lobbies, briefing rooms, digital signage

CASE STUDIES

Real-world deployments from global enterprises

Microsoft: Signature Teams Rooms

Partnering with the global tech giant to enable the future of collaboration

Project Details

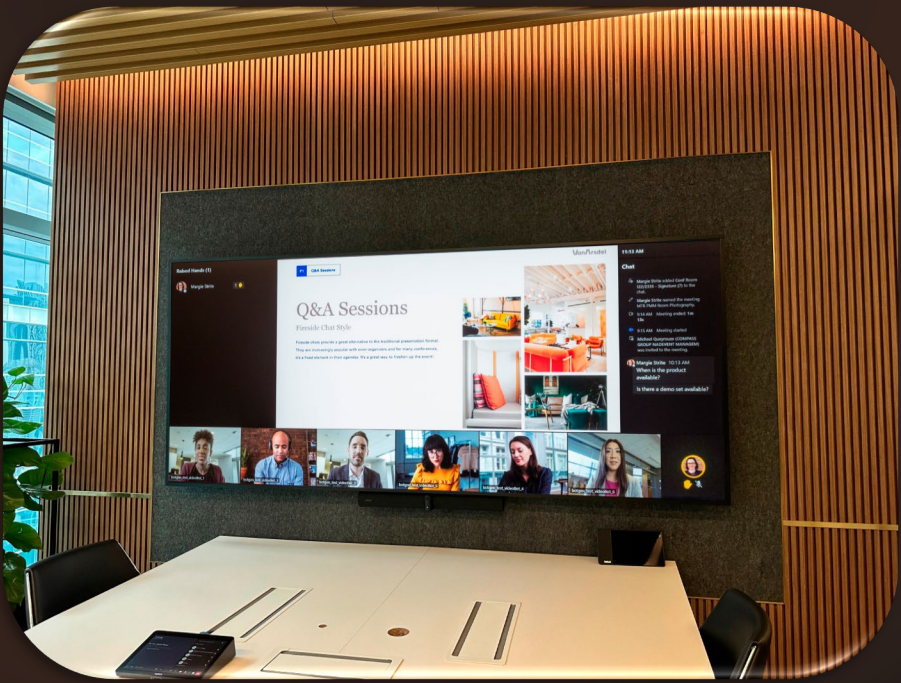
Client	Microsoft
Location	Redmond HQ, Worldwide
Application	Signature Teams Rooms
Products	Pana 105
Layout	Front Row (21:9 optimized)

"A Microsoft Teams Room with Jupiter's Pana 105 display enhances my meeting experience. I can focus on the people and the content, not the technology. It's simple, seamless and professional."

Margie Strite, Product Marketing Manager, Hybrid Meetings, Microsoft

The Partnership

- Microsoft's The Hive lab has spent over a decade building the future of hybrid meeting spaces
- Jupiter pioneered 21:9 5K displays for enterprise starting in 2018, launching commercially in 2020
- The Front Row layout in Microsoft Teams was designed specifically for ultrawide 21:9 screens
- Pana 105 displays deployed in dozens of Microsoft offices across the globe
- Signature Teams Rooms set the standard for hybrid meeting experiences worldwide
- Industry partners like Legrand AV and Salamander Designs ensure full ecosystem compatibility



"We evolved and refined the development of the ideal hybrid meeting space for the Teams platform."

Sam Albert, Principal Product Manager, Microsoft

L'Oréal Poland: Innovative Creative Workspace

The famous French brand chooses Jupiter for its new Warsaw collaboration space

Project Details

Client	L'Oréal Poland
Location	Warsaw, Poland
Integrator	AV Architektura / SimpleAV
Products	Pana 105T, Pana 34
Application	Hybrid collaboration, training

"The end customer immediately fell in love with the idea of large-format 21:9 monitors and, during the first presentation of the proposed solutions, began to outline application scenarios in the new collaboration space."

Krzysztof Bocian, Product Manager, SimpleAV

Key Features of the Installation

- Ultra-wide 21:9 aspect ratio: Pana 105T (105") and Pana 34 (34") deliver an expansive digital canvas
- High 5K resolution crucial for L'Oréal's work with high-precision color and design
- Daisy chain connectivity reduces the need for additional AV hardware
- Pana 34 interactive capabilities enable direct annotation for creative sessions
- Pana 105T mounted on custom mobile system with 3-meter repositioning range
- Seamless integration with video conferencing and recording infrastructure



POP Media / INE: Election Security Operations

Mexico's national electoral institute secures its SOC with Jupiter technology

Project Details

Client	Instituto Nacional Electoral (INE)
Integrator	POP Media Technology
Location	Mexico City, Mexico
Products	2x Pana 105D, Catalyst V
Application	Security Operations Center

"Jupiter is in front in terms of 21:9, and the other manufacturers are following them."

Gabriel López, Sales Director, POP Media

70+ joint projects completed

The Challenge

- INE's cybersecurity division needed a new SOC ahead of Mexico's 2024 federal elections
- Previous 4x2 video wall had multiple bezel divisions that marred the overall image
- Required ultra-HD resolution for data-heavy close-up viewing

The Solution

- Two Pana 105D displays replaced the 8-panel video wall with only one bezel line
- 5K resolution delivers sharper text and data than LED at close viewing distances
- Catalyst V provides secure web-based management, no local workstation install needed
- Webpage-based control eliminates direct access to the wall controller's operating system



Why Jupiter: Key Differentiators

21:9 Pioneer

First to commercialize 21:9 5K ultrawide for enterprise. 40+ years of visualization expertise.

End-to-End Ecosystem

Displays, processors, software, and API control, all from one vendor. No multi-vendor integration risk.

Complete Size Range

34" to 281" in native 5K 21:9. LCD and MicroLED technologies for every space and budget.

Security First

PixelNet's air-gapped architecture. API control for isolated facilities. TAA compliance bundle and JITC compliance for PixelNet.

Vertical Integration

Proprietary design, engineering, and supply chain management. Every product meets rigorous quality standards.

Open Control

RS232, TCP/IP, UDP APIs. Compatible with Crestron, Extron, QSC. PanaConnect free testing tool.

Product Selector Guide

Match your space and requirements to the right Jupiter solution

Space	Audience	Display	Processor	Key Notes
Personal Workstation	1 person	Pana 34	N/A (direct input)	USB-C single cable, ergonomic stand
Huddle Room	4-6 people	Pana 81T	OPS module	Touch collaboration, Teams/Zoom ready
Meeting Room	8-12 people	Pana 105T	OPS or Spark 2.0	Large format touch, ClickShare certified
Collaboration Room	6-10 people	Pana 92CT	OPS or Spark 2.0	All-in-one: camera, mic, speakers, compute
Executive Boardroom	12-20 people	Pana 105X	Catalyst Element or Catalyst V	Anti-glare, premium finish
Command Center	10+ operators	Pana 105 x3-6	Catalyst V or Catalyst XL	Up to 156 sources, Canvas management
Classified Ops	Varies	Pana 81/105	PixelNet	Air-gapped, zero compression, TAA
Large Venue	50+ viewers	Zavus XP9/XP12	Catalyst V or Catalyst XL	205-281" seamless MicroLED
Digital Signage	Public	Pana 105D	Spark 2.0 or Catalyst Element	Non-touch, IP decode, local playback



The 21:9 Playbook

From the Rack to the Wall

For more information visit [Jupiter.com](https://jupiter.com) or contact sales@jupiter.com

Website

www.jupiter.com

jupiter.com/blog

Contact

sales@jupiter.com

Talk to an Expert