Taylorleds

VX PRO-XR SERIES

Brilliant On Camera Built for XR.

Vivid Colors. Deep Contrast. Exceptional Grayscale Detail.
Ultra-Smooth Performance at Any Brightness.



ULTRA-THIN DESIGN | SUPER LIGHTWEIGHT | DURABILITY & STRUCTURAL INTEGRITY | QUICK INSTALLATION

VX PRO - XR SERIES 1.5mm, 1.9mm, 2.6mm

ATS|PRO

EXPERIENCE INNOVATION REAL RESULTS

Masters in the Art of LED



Welcome to ATS-Pro, the exclusive U.S. distributor for Taylorleds. With nearly two decades of experience in the AV industry, I founded ATS-Pro to bring unmatched expertise and innovation to our clients.

Taylorleds, our esteemed partner, is an innovative joint venture with Absen, excelling in design, R&D, and quality control. Absen, a leading Chinese manufacturer, handles production, ensuring top-notch quality. Together, we present the most advanced LED systems, meticulously crafted for superior performance.

At ATS-Pro, our dedicated account managers, top-tier technical support, and industry thought leaders work tirelessly to help you master the art of LED technology. I invite you to explore our brochures and experience innovation at its finest.

Warm regards,

Chris Pelzar
Founder & CEO of ATS-PRO

A New Standard in the Live Event Market

The VX Pro - XR Series is designed to redefine the live event market with its unique cabinet sizes, offering a solution to the long-standing challenge of achieving the ideal 16:9 aspect ratio. Unlike the common 500 × 500 mm and 500 × 1000 mm formats that dominate the market, the VX Pro Series offers both 16:9 and 8:9 panel options, making it ideal for high-precision NPP (Narrow Pixel Pitch) live event applications.

Engineered with advanced materials, VX Pro Series panels are constructed from carbon fiber and magnesium alloy, making them 40% lighter than traditional LED panels while maintaining exceptional structural integrity. At just 50 mm thin, compared with the typical 80 mm, VX Pro - XR is designed for easier transportation, handling, and installation—making it an excellent solution for demanding live event environments.



ATS|PRO

Extremely Thin

Just under 2" thick panel (50 mm / 1.97”).

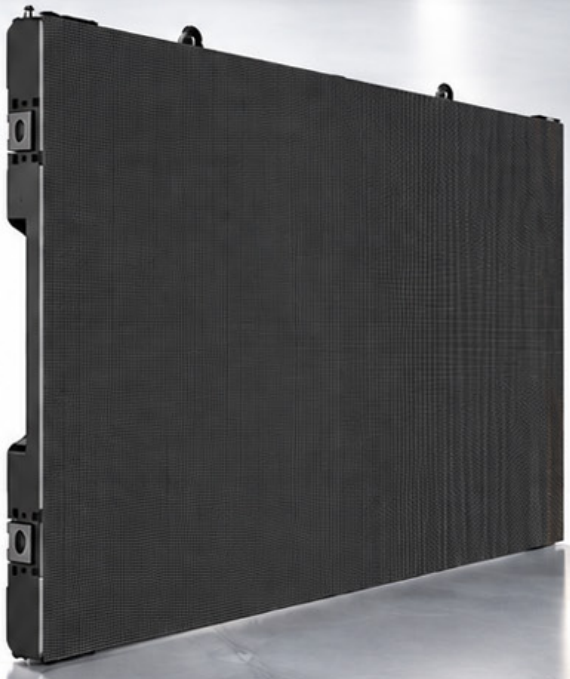
Most rental panels on the market are 80mm in thickness, whereas the VX Pro - XR panel is only 50mm, saving more space for transportation and installation.



The most durable rental product with 4-in-1 MiniLEDs.

The VX Pro-XR Series features advanced 4-in-1 MiniLEDs that are four times stronger than traditional SMD (Surface-Mounted Device) LEDs typically used in rental panels. Each MiniLED can withstand an average of 17.6 pounds (8 kg) of force, making it much more durable compared to standard SMD panels, which only require around 4.4 pounds (2 kg) of force to dislodge an LED. This enhanced durability makes the VX Pro-XR Series ideal for narrow pixel pitch rental applications.

Note: All VX Pro pixel pitches feature 2-in-1 IMD technology except the 3.9mm, which uses a SMD configuration.



4-in-1 IMD

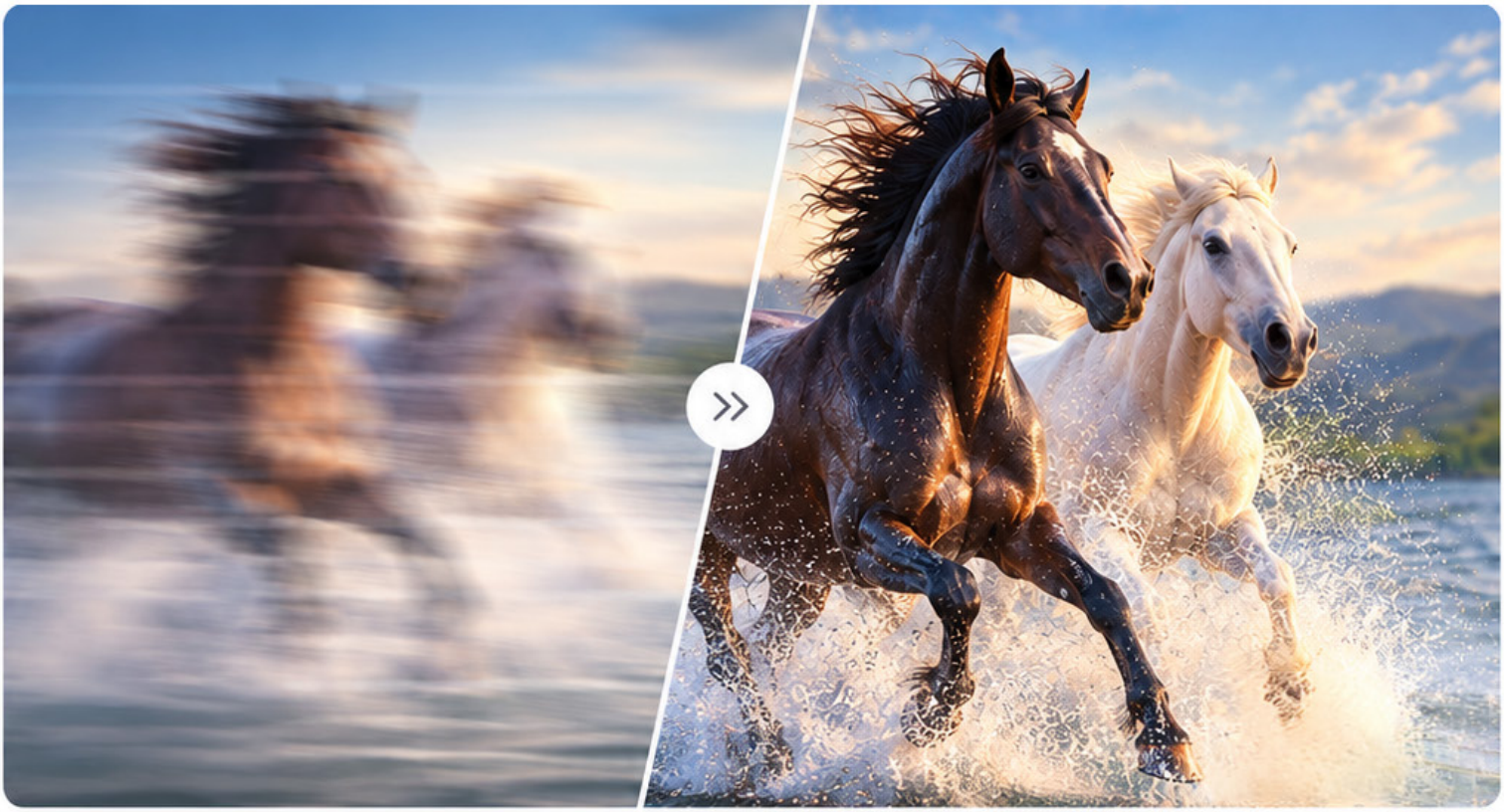


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SMOOTHER MOTION. GREATER IMPACT.

High Refresh Rate: 7680Hz

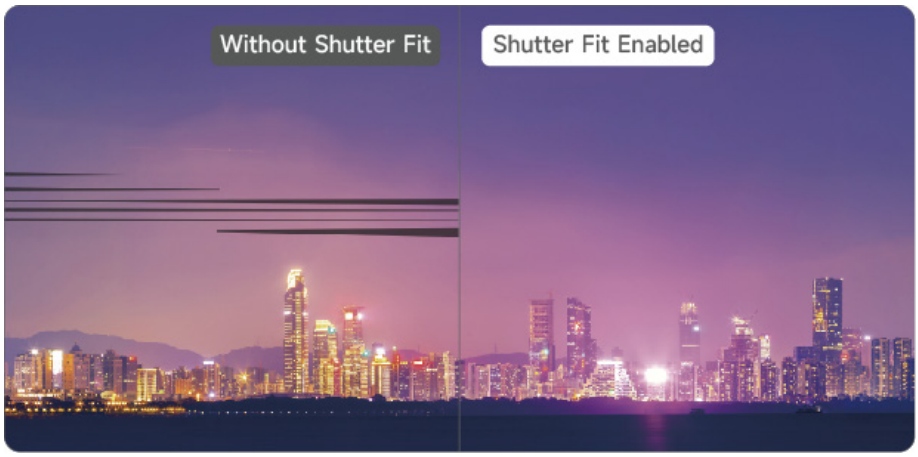
The VX Pro - XR series features a 7680Hz refresh rate powered by advanced driver ICs and PWM optimization. By extending the pulse width through PAM (Pulse-Amplitude Modulation), the display allows for longer on-times per frame, eliminating visible flicker and ensuring smooth, stable playback—even in low grayscale conditions.



ELIMINATES FLICKER
Stable playback in any environment.

SMOOTH PERFORMANCE
Clear, natural motion even in low grayscale.

ADVANCED TECHNOLOGY
Powered by driver ICs, PWM and PAM

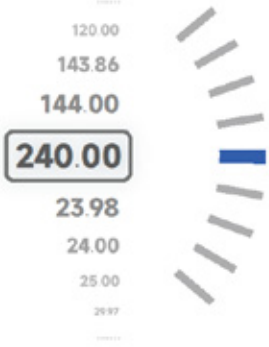


Shutter Fit

Capture every frame perfectly
Utilizing technologies such as Genlock, phase offset and shutter fit, LED display and cameras can be synchronized seamlessly avoiding black field, scan lines, so that cameras can capture the most perfect images and videos without any visual artifacts.

Adaptive Frame Rate

No extra setup is required when the frame rate changes—the system automatically adapts to incoming video signals. Users can seamlessly switch between different frame rates, with customizable settings from 23.94Hz to 240Hz and precision adjustments as fine as 0.01Hz.





Dynamic Booster 3.0

Dynamic Booster, a real-time image enhancement technology, automatically adjusts brightness, contrast, and detail for every frame. It brings out deeper blacks and brighter highlights—delivering HDR-like visual quality even from standard content. It also helps reduce power consumption and extend the lifespan of the LED display.

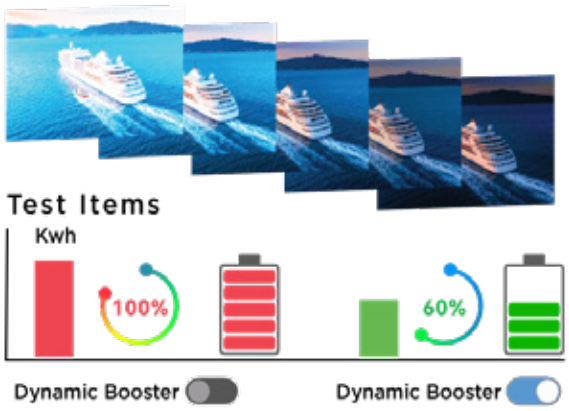




Image Booster 2.0

More Realistic Color

With fully automated color standardization, calibration, and verification, the system intelligently adapts to different color gamuts. This optimization enhances grayscale, color accuracy, and contrast ratio, delivering an immersive viewing experience that meets the demanding requirements of streaming, broadcasting and XR applications.

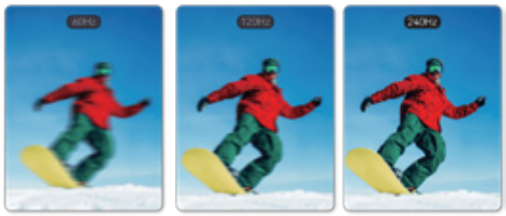


Elevated Graphics Performance



VX Pro-XR turbo-charged with the A10sPro Card and MX COEX Series VMP Platform

By making the VX Pro-XR come standard with the NovaStar A10s Pro Receiving Card, we upgraded the IC's to take full advantage of the most powerful graphics engine and processing available on the market today. With the exceptional, elegant design of the VX Pro-XR and the powerful new COEX MX Series Processors, the VX Pro-XR elevates the LED experience by providing state-of-the-art color, operational control and advanced camera correction features.



HFR

Supports high frame rates up to 120Hz, 144Hz, or even 240Hz. This allows smooth representation of video featuring high-speed moving objects.



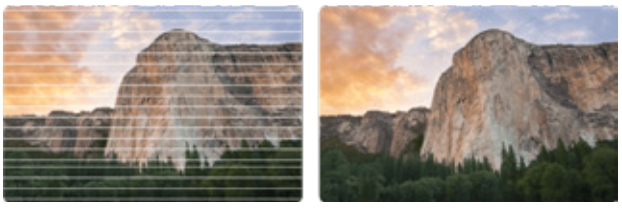
Fine Grayscale

22bit+, 64 times grayscale improvement, 0.002nits precise control, ultra-precise image for stunning realism.



Frame Multiplexing

Allows users to re-frame multiple video feeds in the same time field. It is possible to output multiple effects simultaneously within a single shooting scene, improving work efficiency.



Phase Offset

Adjusting the output phase offset value allows the LED display and camera to perfectly match. Prevents black field and image tearing from being captured when shooting the LED display.



Thermal Compensation

No color shift for your LED display
Real-time heat characteristics analysis of LED displays enables precise thermal compensation tailored to the display. It effectively addresses color shift issues caused by uneven heat dissipation on the screen.

Ultra Low Latency

Essential for Live Events and Broadcasting
Latency can be minimized to 0 frame for broadcast, sport events, film industries, etc. It greatly enhances the synchronization of camera shooting and stage acting.





Visualized Seam Correction

Seam correction can be completed rapidly with an interactive and visualized design. Visually locate and select the seams simply by using a cursor, then directly view the screen to adjust the seams in the software, greatly improving efficiency.

Professional Color Management

Color Curve + 3D LUT

Curve adjustment and importing of 3D LUT files let you manage color in creative and artistic ways, just like a Hollywood colorist.

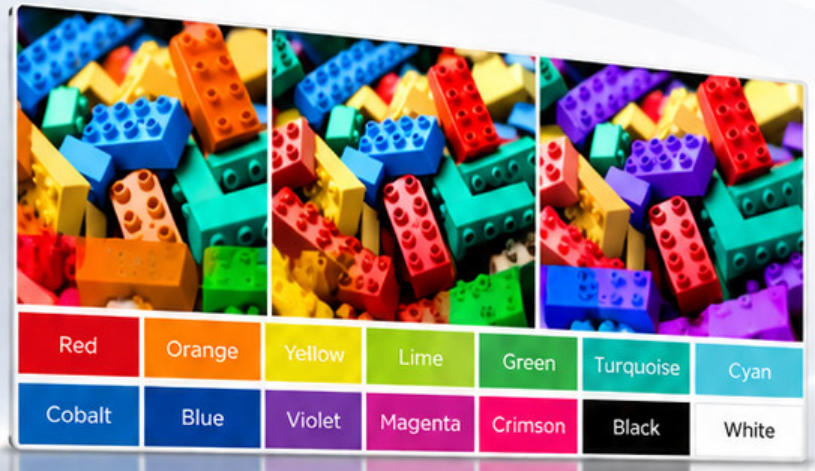


Multi-layer Full Grayscale Calibration

Deliver stunning image quality with uniform grayscale

Keeps LED screens uniform especially in low grayscale by generating the exclusive calibration coefficients for every grayscale.





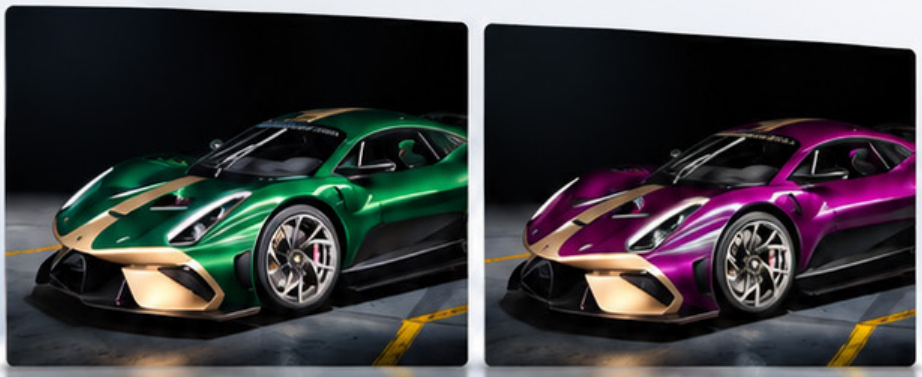
14CH Color Correction

Precise adjustment of hue, saturation, and brightness of primary, secondary and tertiary colors, with basic adjustment of black and white, ensuring perfect colors.

Contrast + Black Level

Allows independent adjustment of highlights and shadows by contrast and black level, avoiding overexposure but delivering rich dark content.





Color Replacement

Supports unrestricted color replacement, with minimal impact on other colors.

ATS PRO



Exceptional Video Processing

NovaStar, a global leading LED display solution provider, designs and develops LED display control solutions for a variety of market applications. ATS-Pro is the largest NovaStar distributor in North America with technical support second to none. Their processors work with the brand-new VMP Software to provide a better operation and control experience.

MX40 Pro

The MX40 Pro is a flagship all-in-one LED display controller with 20 Ethernet ports in the new control system COEX series. This controller integrates video processing and video control into one box and offers rich video input connectors (HDMI 2.0, DP 1.2 and 12G-SDI), 20x Ethernet output ports and 4x 10G optical ports.



MX30 SF ***Exclusive to ATS-Pro****

The SF adds the Shutter Fit features of the MX40 Pro. It is an all-in-one LED display controller in the new control system COEX series. This controller integrates video processing and video control into one box and offers rich video input connectors (HDMI 2.0, HDMI 1.4, DP 1.1 and 3G-SDI), 10x Ethernet output ports and 2x 10G optical ports.



MX20

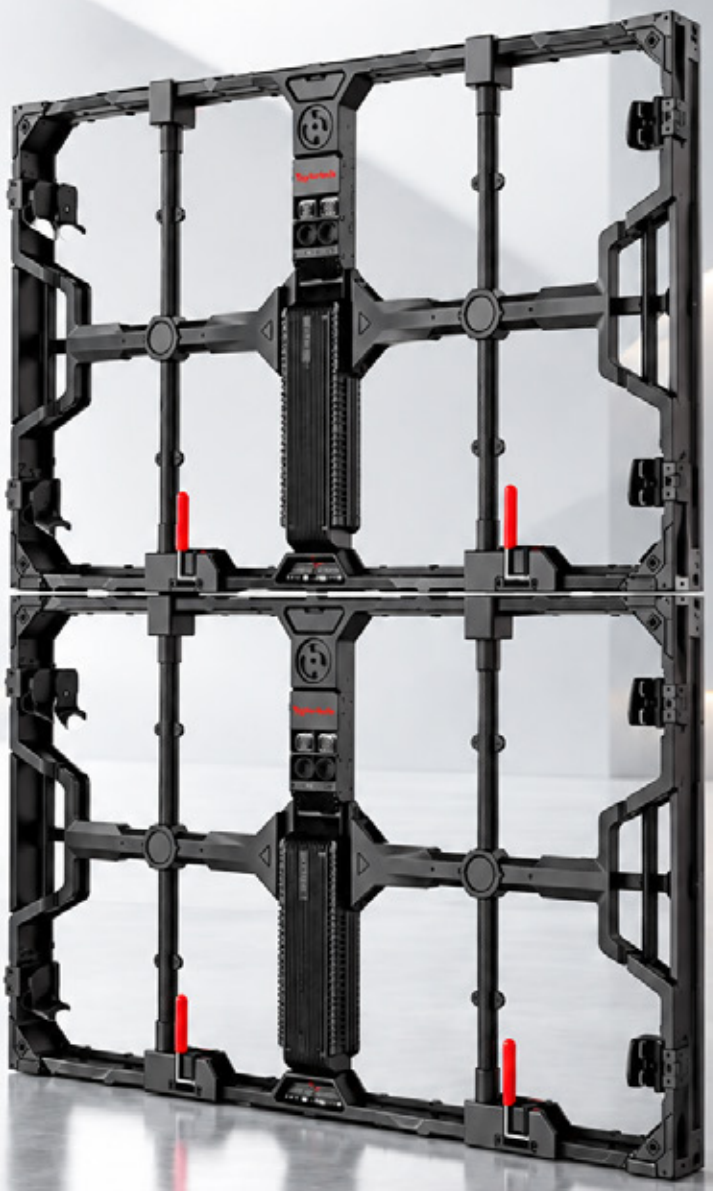
The MX20 is an all-in-one LED display controller in the brand-new control system COEX series. This controller integrates video processing and video control into one box and offers 2x HDMI 1.3, 1x 3G-SDI input connectors, 6x Ethernet output ports, and 2x 10G optical ports.



Supreme structural integrity.

Carbon Fiber for Ultimate Tensile Strength

For hanging and stacking, the weight is absorbed by the carbon fiber frame. The VX Pro - XR Series has a max hanging capacity of 20 panels, 2 times compared to conventional rental panels on the market.



Super Lightweight.

The VX Pro - XR panel is made entirely of carbon fiber and magnesium alloy, making it 40% less weight compared with conventional rental panels on the markets

19.0 kg/m^2 (XL)

10.8 kg per panel

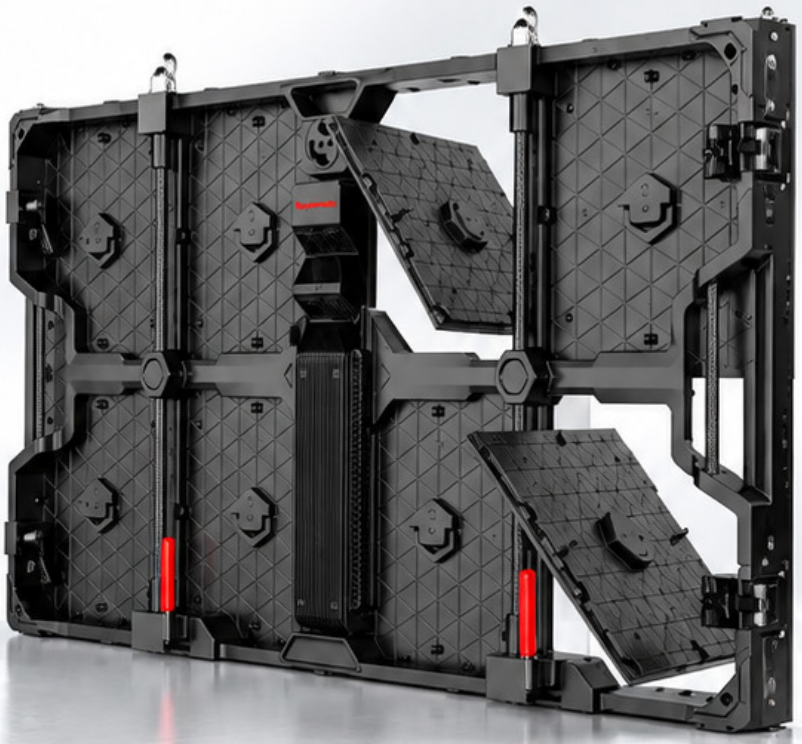
One-person quick build.

Pre-installed magnets simplify installation. The simplified double-lock system makes installation clear and easy. One person can quickly build it.



Front & Rear Serviceable

The VX Pro - XR LED display is designed for ultimate convenience and efficiency, featuring both front and rear serviceability. This innovative design ensures that the power units and LED modules can be easily removed and replaced from either side of the display, significantly reducing maintenance time and effort.







One-handed control.

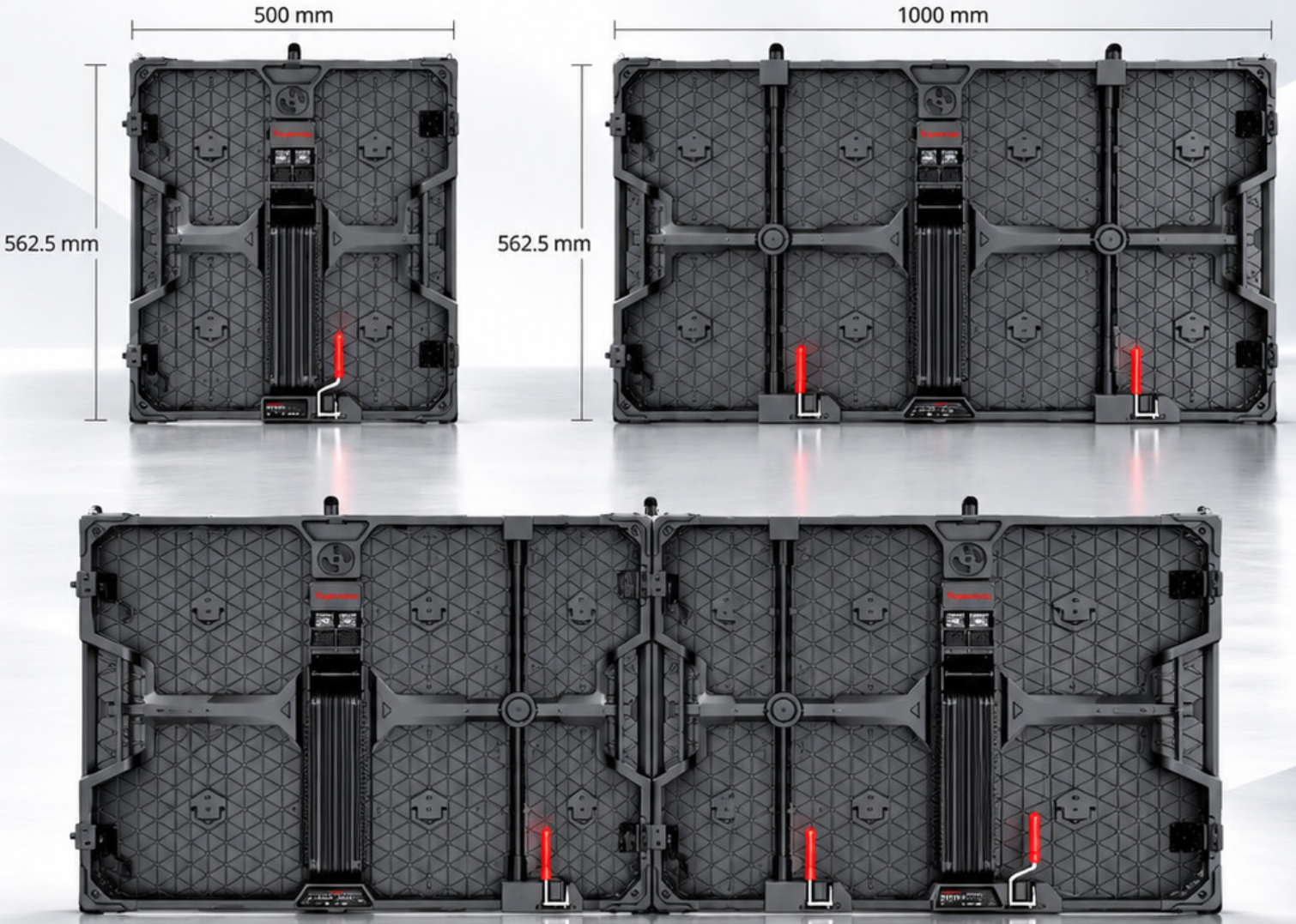
The width of the power box is smaller than that of the mobile phone, only 65mm. Users only need one hand to install the power box, which enables quick installation.

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Two panel sizes

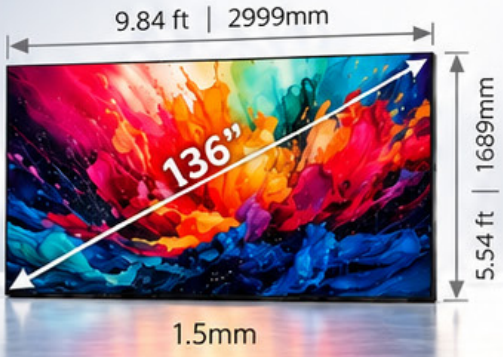
8:9 Ratio: 500mm x 562.5mm and
16:9 Ratio: 1000mm x 562.5mm panels

In the rental market, the two dominant cabinet sizes are 500x500 and 500x1000, making it rather difficult to achieve a 16:9 aspect ratio. The VX Pro - XR Series comes with 16:9 and 8:9 panel sizes, and provides the aspect ratio answer for the NPP rental markets.



Standard Resolution Options

2K Resolution: 136" and 217"





4K Resolution: 271" and 452"





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Automatic Corner Protectors

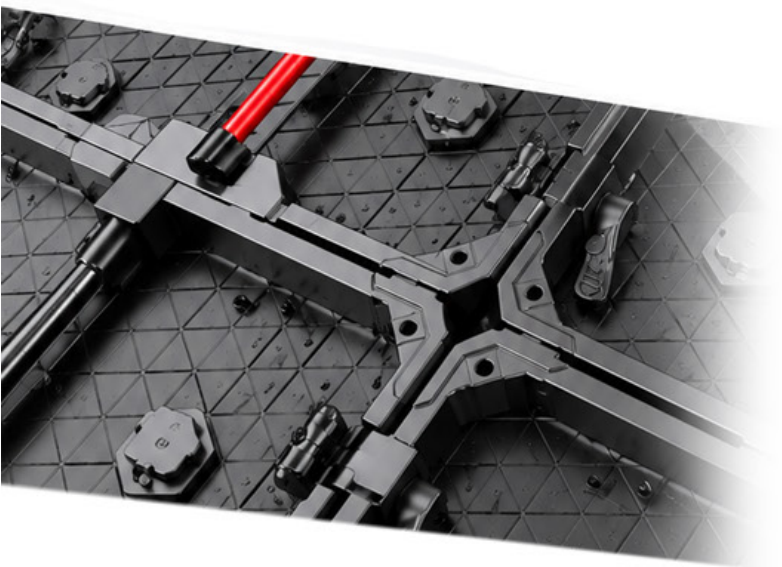
The corner guard is naturally extended, 2mm higher than the screen, to protect the screen from bumps. It retracts naturally when installed.



Cam Lock Connectors

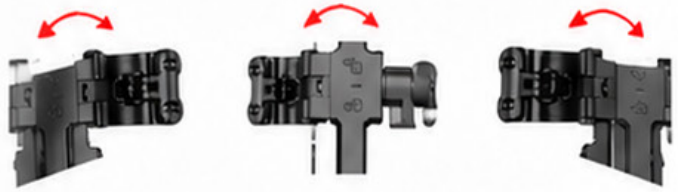
Cam lock connectors for LED panels enable quick and secure connections, making assembly and disassembly fast and tool-free. They ensure stable alignment, prevent gaps, and withstand repeated use, facilitating easy maintenance and adjustments while ensuring a durable and reliable display.





Curve Lock

The curve lock system for concave or convex displays, adjustable from -10° to 10°, enhances the versatility and visual impact of LED installations. It enables seamless curved displays that adapt to various architectural elements.



-10° (Concave) **0°** (Flat) **10°** (Convex)

Road Case Options

Flight Case: 500mm x 562.5mm
14-in-1 small panel flight case.

Flight Case: 1000mm x 562.5mm
7-in-1 large panel flight case.



Touring Cart Options

1000mm x 562.5mm: 12-in-1 large panel touring cart.

500mm x 562.5mm: 24-in-1 small panel touring cart.

Cabinets are assembled before shipment, allowing for quick screen installation upon arrival. The touring cart can be disassembled for storage to save warehouse space.

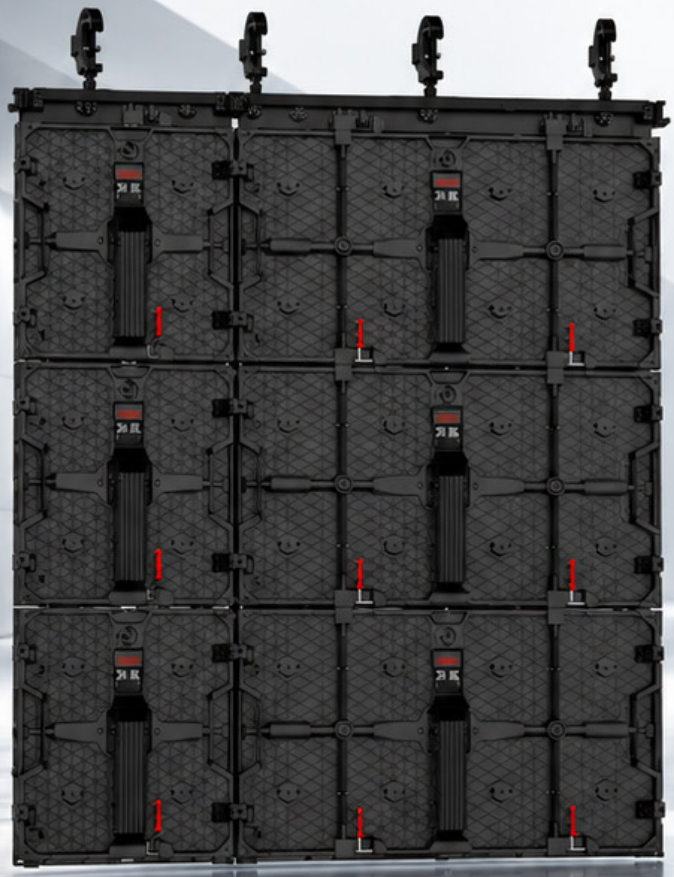




Hanging Option

Designed for simplicity and efficiency, our ultra-lightweight hanging bars feature built-in curve plates and level adjustment knobs. This design ensures easy operation and adds flexibility for various event setups.





Pro Floor Stacking

Designed by industry veterans, this universal stacking system for LED panels combine ease of use with exceptional reliability. A twist-and-lock clamp enables rapid setup and teardown for concert tours, while the built-in curve-latch system maximizes creative possibilities—all while ensuring rock-solid stability and performance throughout the event.





Standard Floor Stacking

This affordable stacking system for LED panels offers exceptional reliability with easy setup and teardown for events while delivering consistent stability and performance.

ATS|PRO

Wind Bracing System

Designed for large scaled wall hanging where wind is a factor, our robust and lightweight wind bracing system is engineered to withstand harsh covered semi-outdoor conditions, ensuring stability even in strong winds. Designed for efficiency, it allows for quick installation and easy on-site servicing, including module and panel replacement. Its stackable design optimizes warehousing and transportation space, while the carbon fiber and aluminum profile construction provides exceptional strength without adding much weight. The foldable modular design allows for compact storage and enables fast setup and teardown, making it ideal for hanging and ground stacking applications.

Note: Special order of customized panels required for the Wind Bracing System



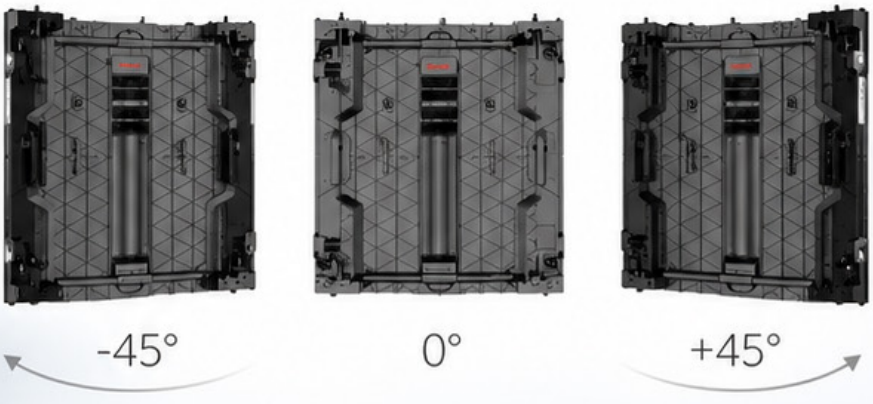




VX Curve

The VX curving LED panels are fitted with multi-functional handles. You can easily create curves up to 45 degrees by rotating the handles in small and precise steps to the desired curving angle. The resulting curved LED display will offer a flawless canvas at any angle.





VX Corner

Designed to fit seamlessly into 90-degree corners, these panels maximize space while maintaining a clean, streamlined look.



Unlock Creative Corner Visuals.

Create impactful corner visuals, ensuring smooth playback and dependable performance.



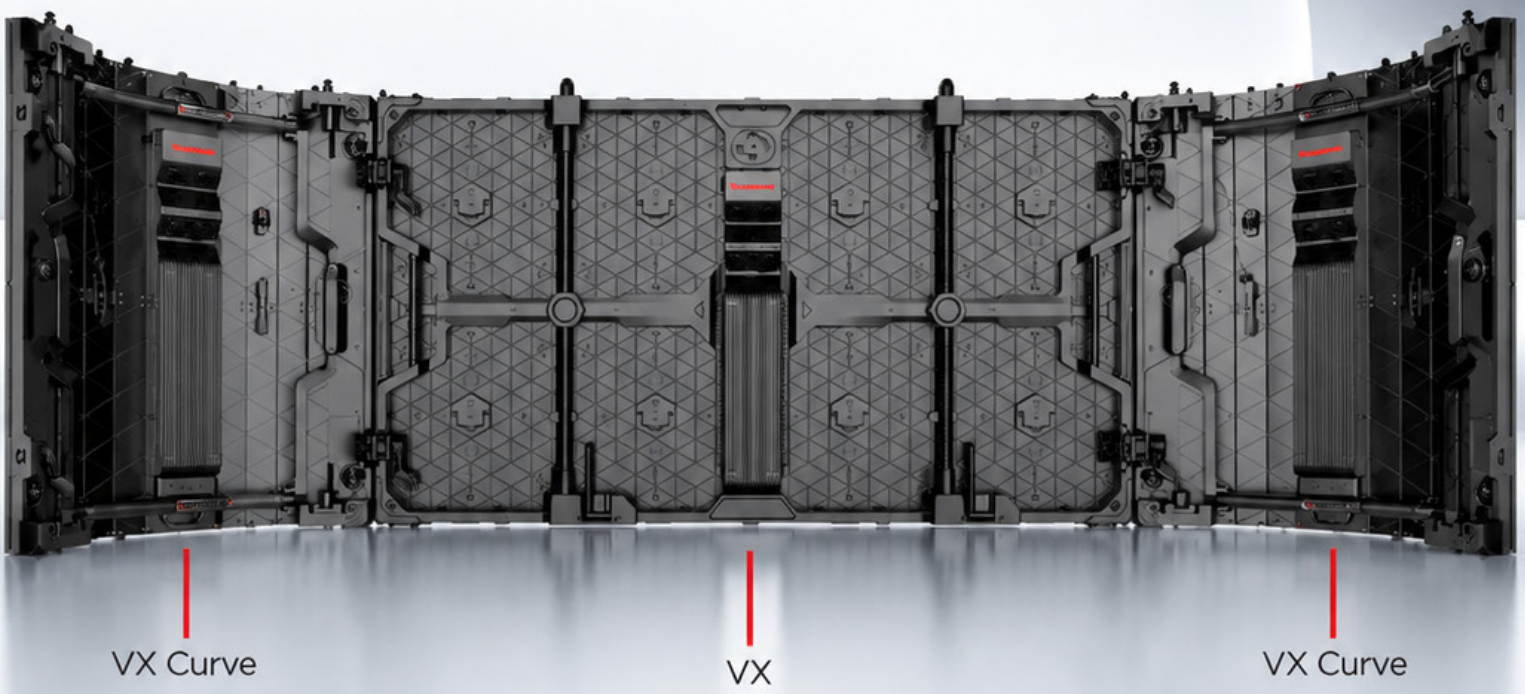




ATS|PRO

Compatible with VX Series

The VX Curve and VX panels are Compatible. Combining both LED panels on one wall, you can create any perfect shape.



Specifications

ATS-PRO VX Pro - XR Series Modular LED panel shown.

Specifications	VX Pro-XR 1.5	VX Pro-XR 1.9	VX Pro-XR 2.6	VX Pro-XR 1.5 XL	VX Pro-XR 1.9 XL	VX Pro-XR 2.6 XL
LED Type	Black 4-in-1 Minileds	Black 4-in-1 Minileds	Black 4-in-1 Minileds	Black 4-in-1 Minileds	Black 4-in-1 Minileds	Black 4-in-1 Minileds
Pixel Pitch (mm)	1.56	1.95	2.6	1.56	1.95	2.6
Panel Dimensions (W*H*D)/(mm)	500 x 562.5 x 49	500 x 562.5 x 49	500 x 562.5 x 49	1000 x 562.5 x 49	1000 x 562.5 x 49	1000 x 562.5 x 49
Panel Weight (kg)	5.5	5.5	5.5	10.5	10.5	10.5
Pixel Per Panel (w, h)	320 x 360	256 x 288	192 x 216	640 x 360	512 x 288	384 x 216
Panel Material	Die Cast Magnesium & Carbon Fiber	Die Cast Magnesium & Carbon Fiber	Die Cast Magnesium & Carbon Fiber	Die Cast Magnesium & Carbon Fiber	Die Cast Magnesium & Carbon Fiber	Die Cast Magnesium & Carbon Fiber
Module Dimensions (W*H)/(mm)	250 x 281.25	250 x 281.25	250 x 281.25	250 x 281.25	250 x 281.25	250 x 281.25
Brightness (nit)	1200	1200	1200	1200	1200	1200
Refresh Rate (Hz)	7680	7680	7680	7680	7680	7680
Grayscale (bit)	16	16	16	16	16	16
Contrast Ratio	10000:1	10000:1	10000:1	10000:1	10000:1	10000:1
Color Temperature (K)	6500	6500	6500	6500	6500	6500
Viewing Angle (H/V) (°)	160/160	160/160	160/160	160/160	160/160	160/160
Driving Type	1/18	1/16	1/18	1/18	1/16	1/18
AC Operating Voltage (V)	100~240	100~240	100~240	100~240	100~240	100~240
Power Consumption (Max./Avg.) (W/m^2)	570/190	570/190	570/190	570/190	570/190	570/190
Storage Temperature (°C)	-40~ + 60	-40~ + 60	-40~ + 60	-40~ + 60	-40~ + 60	-40~ + 60
Operating Temperature (°C)	-10~ + 40	-10~ + 40	-10~ + 40	-10~ + 40	-10~ + 40	-10~ + 40
Storage Humidity (RH)	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
Operating Humidity (RH)	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
IP Rating (Front/Rear)	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21
LED Lifetime (H)	100000	100000	100000	100000	100000	100000
Module Maintenance	Front or Rear	Front or Rear	Front or Rear	Front or Rear	Front or Rear	Front or Rear
PSU & Other Maintenance	Front or Rear	Front or Rear	Front or Rear	Front or Rear	Front or Rear	Front or Rear
Panel Installation Type	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking
Max Rigging QTY	20	20	20	20	20	20
Certification	CE, RoHS, ETL, FCC	CE, RoHS, ETL, FCC	CE, RoHS, ETL, FCC	CE, RoHS, ETL, FCC	CE, RoHS, ETL, FCC	CE, RoHS, ETL, FCC

Specifications subject to change. Please contact ATS-Pro for updated specifications.

Specifications

ATS-PRO VX Pro - XR Series Modular LED panel shown.

Specifications	VX Pro-XR 1.9 Corner	VX Pro-XR 2.6 Corner	VX Pro-XR 1.9 Curve	VX Pro-XR 2.6 Curve
LED Type	Black IMD 2-in-1	Black IMD 2-in-1	Black IMD 2-in-1	Black IMD 2-in-1
Pixel Pitch (mm)	1.95	2.6	1.95	2.6
Panel Dimensions (W*H*D)/(mm)	250 x 562.5 x 84	250 x 562.5 x 84	500 x 562.5 x 69	500 x 562.5 x 69
Panel Weight (kg)	4.8	4.8	8	8
Pixel Per Panel (w, h)	128 x 288	96 x 216	256 x 288	192 x 216
Panel Material	Aluminum	Aluminum	Die Cast Aluminum	Die Cast Aluminum
Module Dimensions (W*H)/(mm)	500 x 562.5	500 x 562.5	500 x 562.5	500 x 562.5
Brightness (nit)	1000	1000	1000	1000
Refresh Rate (Hz)	7680	7680	7680	7680
Grayscale (bit)	16	16	16	16
Contrast Ratio	10000:1	10000:1	10000:1	10000:1
Color Temperature (K)	6500	6500	6500	6500
Viewing Angle (H/V) (°)	160/160	160/160	160/160	160/160
Driving Type	1/16	1/18	1/16	1/18
AC Operating Voltage (V)	100~240	100~240	100~240	100~240
Power Consumption (Max./Avg.) (W/m^2)	600/200	600/200	600/200	600/200
Storage Temperature (°C)	-40~ + 60	-40~ + 60	-40~ + 60	-40~ + 60
Operating Temperature (°C)	-10~ + 40	-10~ + 40	-10~ + 40	-10~ + 40
Storage Humidity (RH)	10%~90%	10%~90%	10%~90%	10%~90%
Operating Humidity (RH)	10%~90%	10%~90%	10%~90%	10%~90%
IP Rating (Front/Rear)	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21
LED Lifetime (H)	100000	100000	100000	100000
Module Maintenance	Front or Rear	Front or Rear	Front	Front or Rear
PSU & Other Maintenance	Front or Rear	Front or Rear	Front	Front or Rear
Panel Installation Type	Hanging / Stacking	Hanging / Stacking	Fixed	Hanging / Stacking
Max Rigging QTY	20	20	-	20
Certification	CE, RoHS, ETL, FCC	CE, RoHS, ETL, FCC	ETL, CE, FCC	CE, RoHS, ETL, FCC

Specifications subject to change. Please contact ATS-Pro for updated specifications.

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