

# Taylorleds

# VS Pro Series

Engineered for Excellence: Precision and Creativity for Live, Rental, and Touring.

VS PRO SERIES INDOOR 1.9mm, 2.6mm, 3.9mm

2024 VS PRO SERIES MODULAR LED MADE FOR ATS-PRO BY TAYLORLEDS





## 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 Pelzan*





## Endless Creativity with Precision

The VS Pro Series unlocks unparalleled creative possibilities with its versatile quadrant panels and specialized shapes, including corners, circles, and triangles. These components combine to form curves, precise angles, and intricate designs, bringing any creative vision to life. With upgraded driving ICs and the Nova Star A10s Pro graphic card, the VS panels ensure exceptional image quality. The innovative design, featuring automatically engaging locks and strategically placed magnets, guarantees fast, secure, and seamless installation, making the VS Pro Series ideal for creative displays and rapid, reliable deployments.



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# Elevated Panel Design with Pro Features

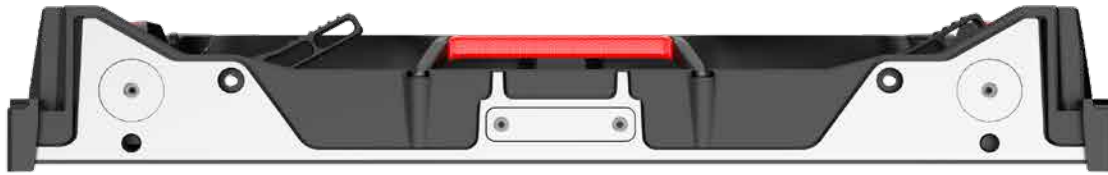
## Anti Collision Design

The anti-collision design ensures maximum protection during installation and transportation, minimizing the risk of damage to LED panels and preserving their integrity. By preventing collisions, it extends the equipment's lifespan, reduces maintenance costs, and safeguards your investment.



## New Panel Connection

Automatically engaging locks and six strategically placed magnets on each frame ensure a secure and seamless installation. This innovative design not only speeds up the setup process but also guarantees stability and precision, making it ideal for quick deployments and reliable performance.



**Slender & Portable** Just over 3" thick panel (80 mm / 3.15").



**Independent Power Box**

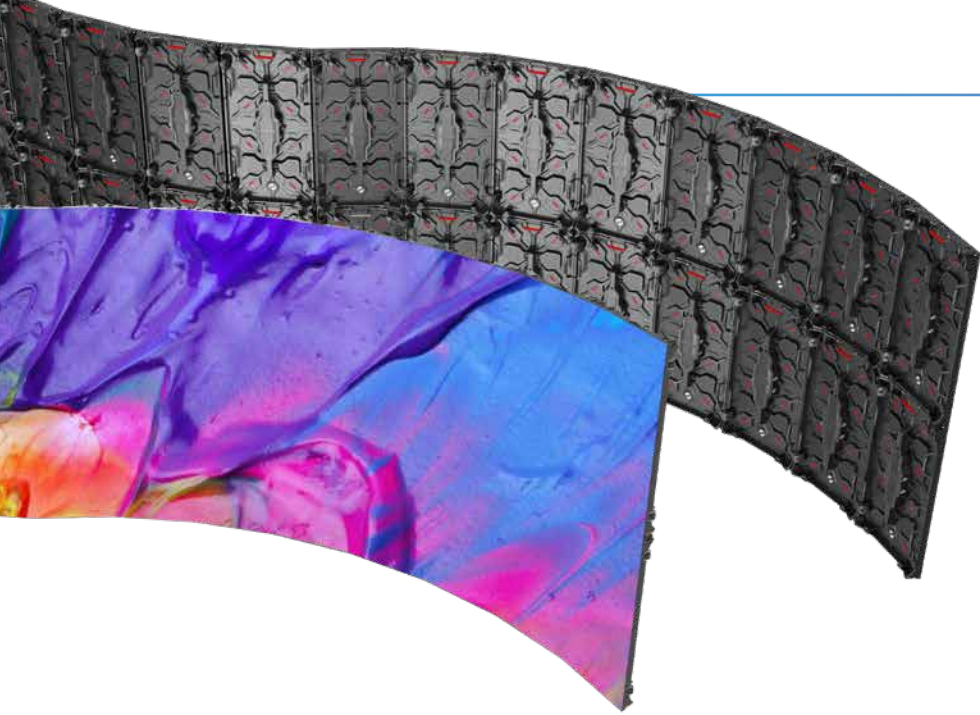
The all-in-one power box can be hot swappable for quick service.

## Front & Rear Serviceable

The VS Pro 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.







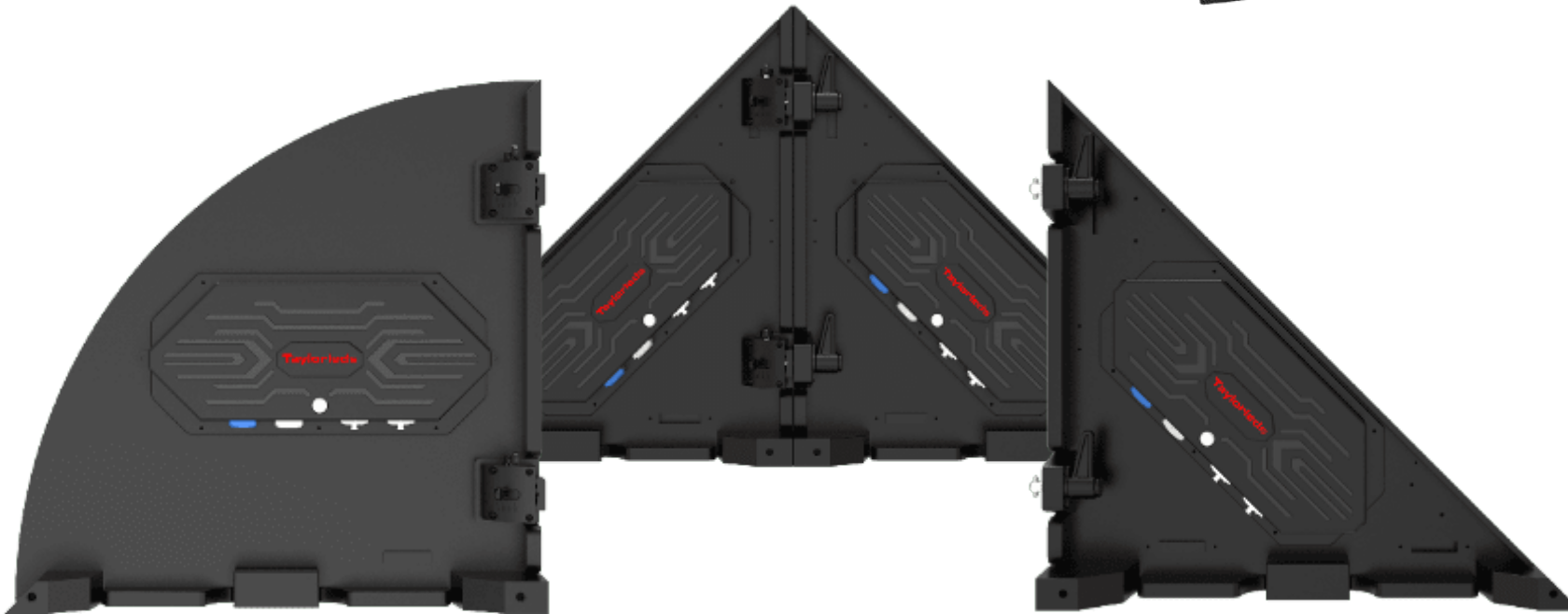
## Curve Locks

The curve lock system for concave or convex wave screen designs, adjustable from  $-5^{\circ}$  to  $10^{\circ}$ , is a crucial feature that enhances the versatility and visual impact of LED installations. This system allows for the creation of seamless, curved displays that can conform to various architectural elements, providing an immersive viewing experience.



# Endless Possibilities

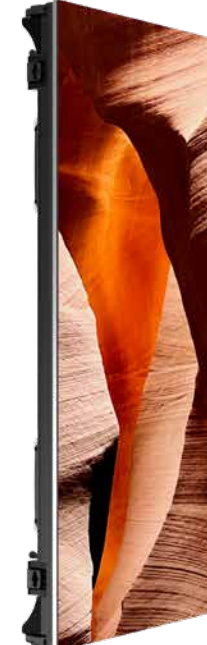
The VS Pro Series offers unparalleled creative possibilities with its versatile quadrant panels and specialized shapes, including corners, circles, and triangles. These components can be seamlessly combined to create smooth curves, precise angles, and intricate designs. Whether you're crafting an irregularly shaped screen or designing a unique display to fit a specific application, the VS Pro Series provides the flexibility and precision needed to bring your creative vision to life.





## Two Standard Panel Sizes

500mm x 500mm panels and 500mm x 1000mm panels available.





# Road Case Options

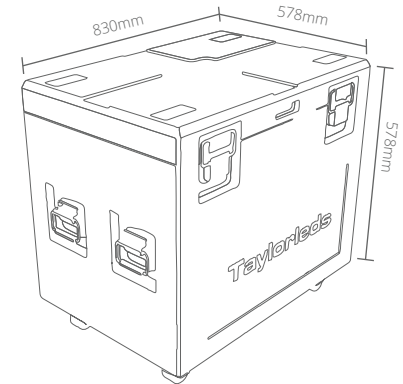
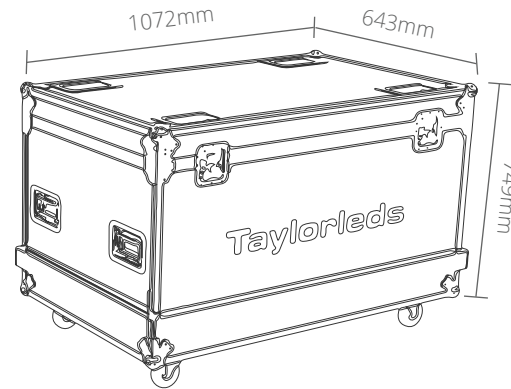
## Flight Case: 500mm x 1000mm

Superior 6 in 1 flight case for 500 x 1000mm cabinets.

## Flight Case: 500mm x 500mm

Superior 7 in 1 flight case for 500 x 500mm cabinets.

Optimum sizing for US/EU truck and sea freight container capacities. Available with Elcom auto alignment wheels.



# Stacking Options

## Stacking System

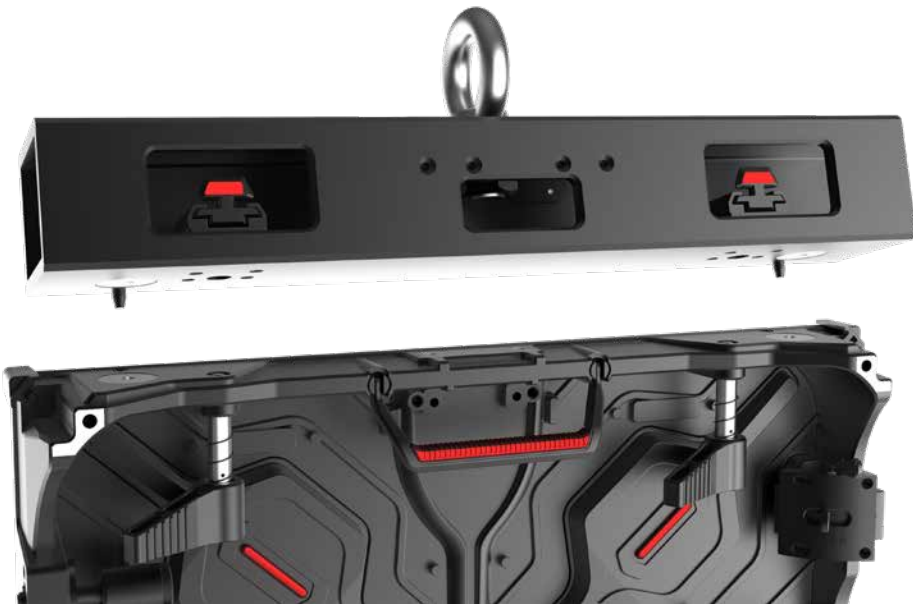
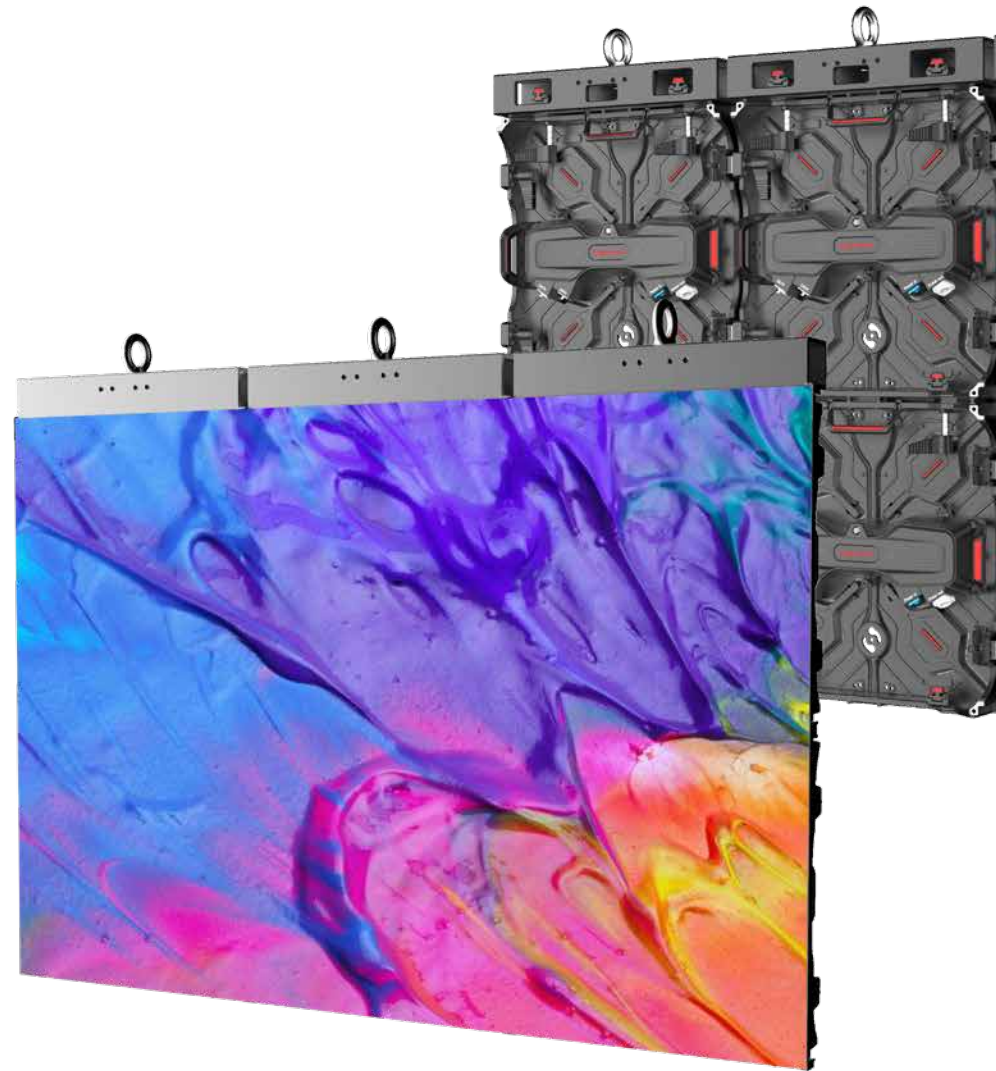
Designed by industry veterans, the universal stacking system for LED panels is both easy to use and highly reliable, ensuring quick setup and teardown while maintaining stability and performance throughout the event.



# Hanging Options

## Rigging System

Designed for ease and efficiency, the super lightweight hanging bars come with integrated curve plates, making them simple to use while providing enhanced versatility for a variety of event setups. These features ensure a quick and reliable installation process, allowing for seamless integration into any LED panel configuration.







# Elevated Graphics Performance

## VS Pro turbo-charged with the A10sPro Card and MX COEX Series VMP Platform

By making the the VS Pro 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 VS Pro Series and the powerful new COEX MX Series Processors, the VS Pro elevates the LED experience by providing state-of-the-art color, operational control and advanced camera correction features.



### Shutter Fit

Supports synchronization of LED display refresh rate and camera shutter parameters. LED automatically adapts to camera exposure time and frequency, alleviating scan lines.



### 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.



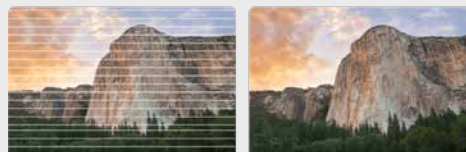
### Color Replacement

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



### HFR

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



### 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.



### 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.





### 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.



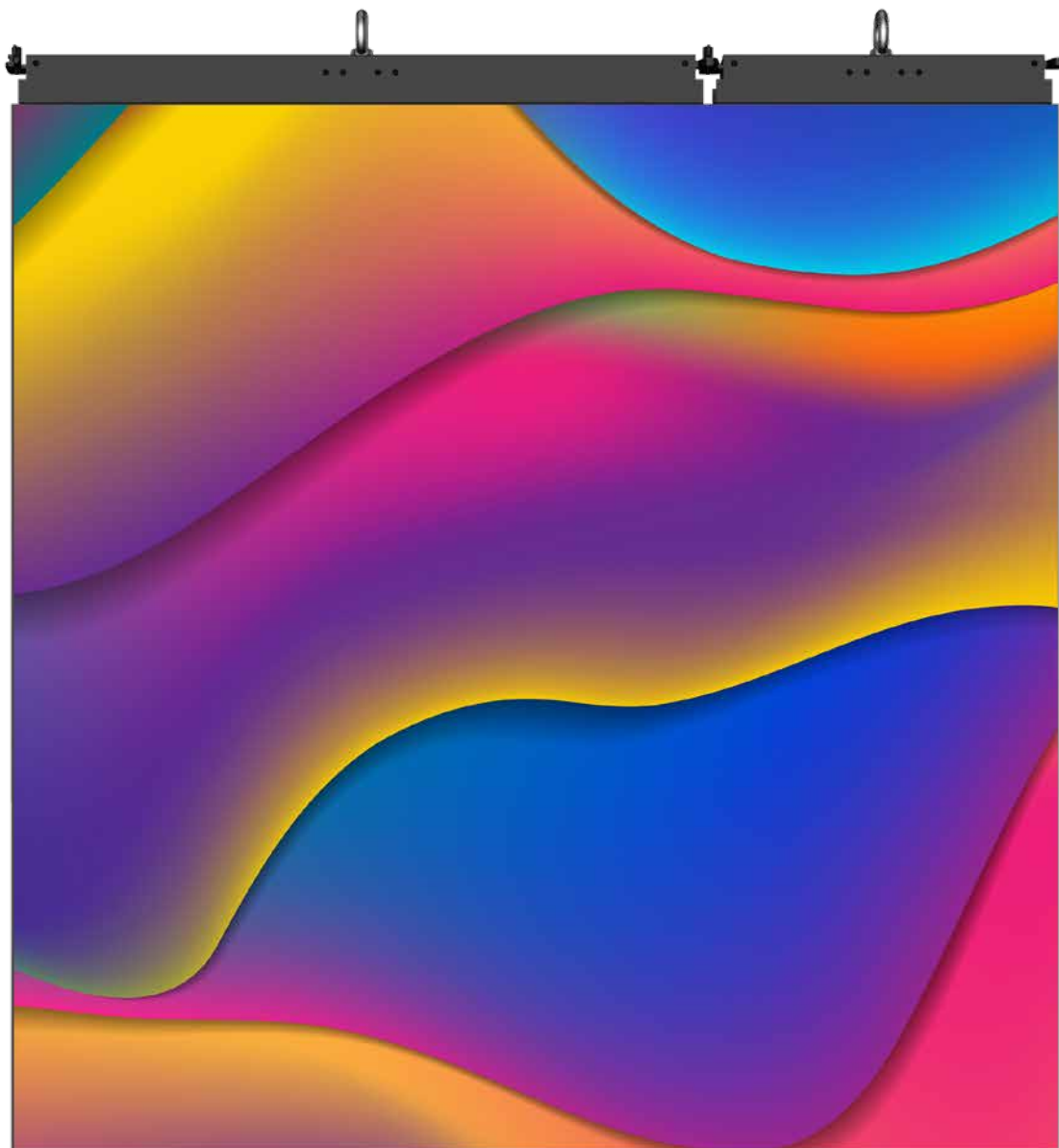
### Contrast + Black Level

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



### Dual Image Booster

Improves the performance of grayscale, color and contrast ratio, creating an immersive view to fulfill the requirements necessary for xR applications.





# 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.





# Specifications

ATS-PRO VS Pro Series Modular LED panel shown.

Specifications	VS Pro 1.9	VS Pro 2.6	VS Pro 3.9	VS Pro XL 1.9	VS Pro XL 2.6	VS Pro XL 3.9
LED Type	SMD 3 in 1 1515	SMD 3 in 1 1515	SMD 3 in 1 2121	SMD 3 in 1 1515	SMD 3 in 1 1515	SMD 3 in 1 2121
Pixel Pitch (mm)	1.9	2.6	3.9	1.9	2.6	3.9
Panel Dimensions (W*H*D)/(mm)	500 x 500 x 75	500 x 500 x 75	500 x 500 x 75	500 x 1000 x 75	500 x 1000 x 75	500 x 1000 x 75
Panel Weight (kg)	7.5	7.5	7.5	13.5	13.5	13.5
Pixel Per Panel (w, h)	256 x 256	192 x 192	128 x 128	192 x 384	168 x 336	128 x 256
Panel Material	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum
Module Dimensions (W*H)/(mm)	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250
Brightness (nit)	800	1000	1200	800	1000	1200
Refresh Rate (Hz)	1920/3840	3840	3840	3840	3840	3840
Grayscale (bit)	14	14	14	14	14	14
Contrast Ratio	5500:1	6500:1	9000:1	5500:1	6500:1	6500:1
Color Temperature (K)	6500	6500	6500	6500	6500	6500
Viewing Angle (H/V) (°)	140/140	140/120	140/140	140/140	140/120	140/140
Driving Type	1/32	1/24	1/16	1/32	1/24	1/16
AC Operating Voltage (V)	100~240	100~240	100~240	100~240	100~240	100~240
Power Consumption (Max./Avg.) (W/m <sup>2</sup> )	438/146	600/200	540/180	438/146	600/200	540/180
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	-20~ + 50
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 & Others Maintenance	Rear	Rear	Rear	Rear	Rear	Rear
Panel Installation Type	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking	Hanging / Stacking
Max Rigging QTY	20	20	20	10	10	10
Certification	CE, ETL, FCC	CE, ETL, FCC	CE, ETL, FCC	CE, ETL, FCC	CE, ETL, FCC	CE, ETL, FCC

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





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