

Taylorleds



VE Pro-SF

NEXT-LEVEL PERFORMANCE.

Unleashing Epic Visuals, Indoor or Outdoor.

VE PRO-SF SERIES INDOOR 1.9mm, 2.6mm, 2.9mm, 3.9mm; OUTDOOR 2.9mm, 3.9mm

2026 VE PRO-SF SERIES MODULAR LED MADE FOR ATS-PRO BY TAYLORLEDS

**ATS
PRO**



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.

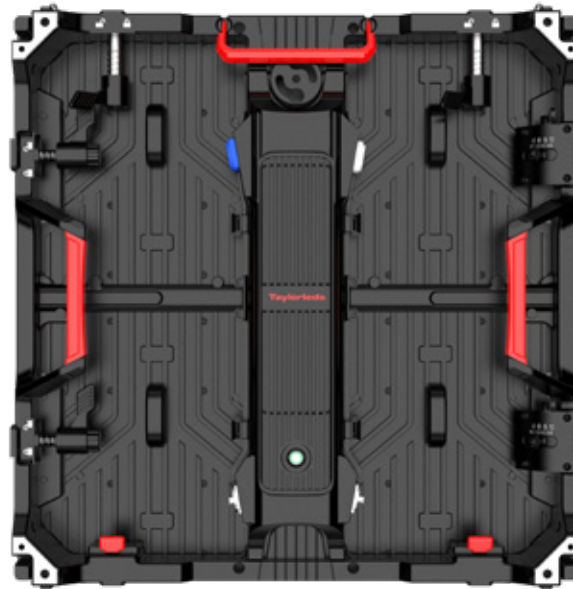
At ATS-Pro, our dedicated account managers, top-tier technical support, and industry thought leaders work tirelessly to help you master the art of LED technology. I invite you to explore our brochures and experience innovation at its finest.

Warm regards,

Chris Pelzan

Versatile Live Event Indoor/Outdoor LED

VE Pro-SF Series Indoor / Outdoor LED video walls are engineered to fulfill the requirements of event applications, entertainment facilities, large venues, and other substantial fixed installations. They offer full front or rear service access to electronics for deployment versatility, and cabinets with a quick-lock system to support easy installation. Event LED walls enhance the visual experience, providing vibrant, high-resolution displays that captivate audiences and ensure every detail is seen, no matter the size of the venue.





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.



Test Items

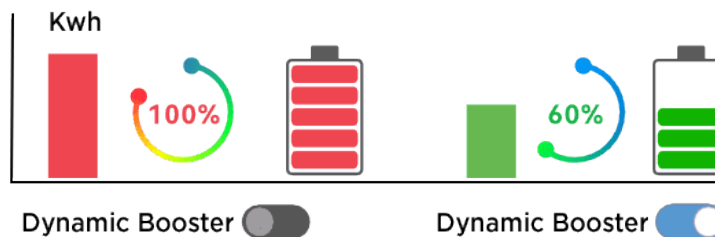


Image Booster 2.0

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.



High Refresh Rate: 7680Hz

The VE Pro-SF Series features an optional 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.



Brightness

More Brilliance, Enhanced Contrast

In scenes with high contrast and varying grayscale levels, the VE Pro-SF Series intelligently boosts brightness in the brightest regions using advanced pulse modulation (PAM) and upgraded driver ICs. This enhances dynamic contrast—making highlights more vivid and impactful—while maintaining overall power efficiency. The result is a more immersive visual experience with greater depth and clarity in both bright and mixed-light environments.



Darkness

Sharper Detail in Darker Shades

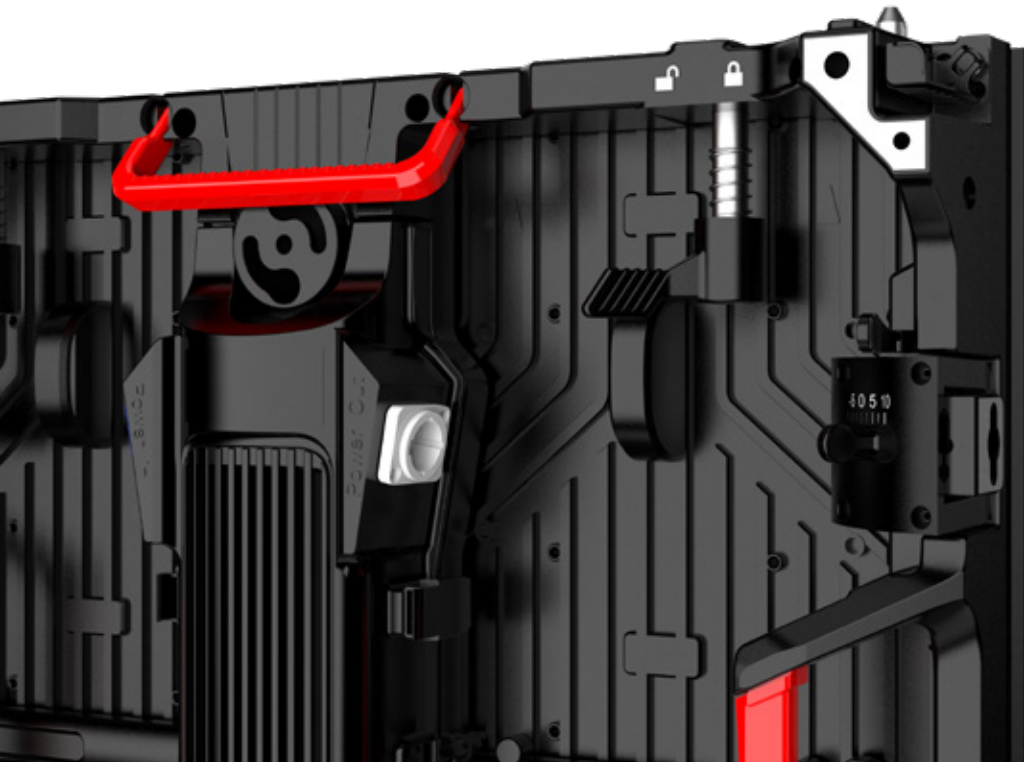
To enhance image detail in low-brightness areas, PAM precisely reduces the LED driving current at the lowest grayscale levels. With real-time current control per LED and grayscale, the system delivers ultra-fine brightness control - accurate down to 0.001 nits - ensuring subtle shadows and textures are clearly visible without loss of detail.



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. Preventing collisions extends the equipment's lifespan, reduces maintenance costs, and safeguards your investment.



Curve Lock

The curve lock system for concave or convex wave screen designs, adjustable from -5° to 10° , 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.

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.

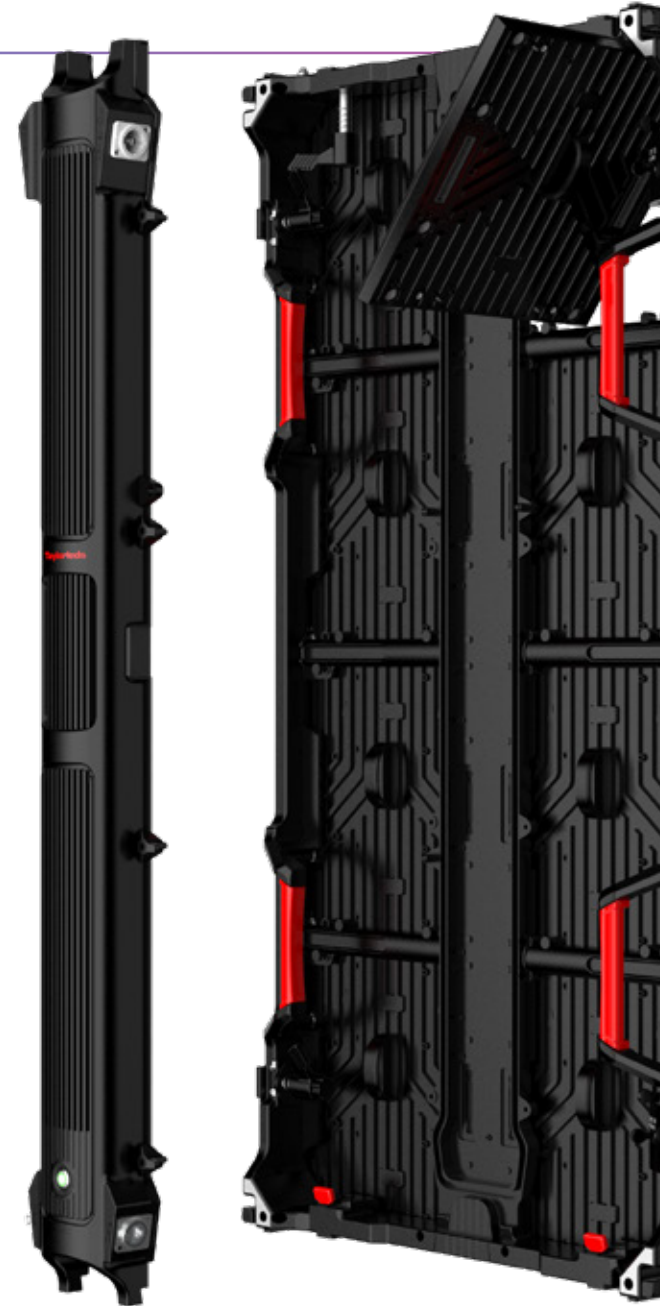




Slender & Portable Just over 3" thick panel (80 mm / 3.15").

Front & Rear Serviceable

The VE Pro-SF 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.





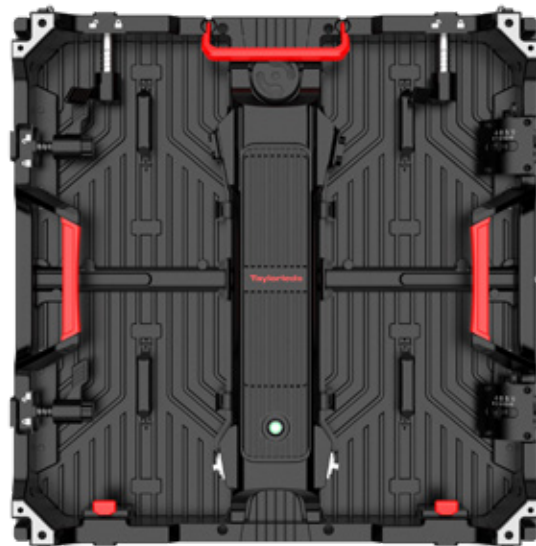
Two panel sizes 500mm x 500mm panels and 500mm x 1000mm panels available.





2.9 & 3.9mm Outdoor IP65/54 Rated Panels

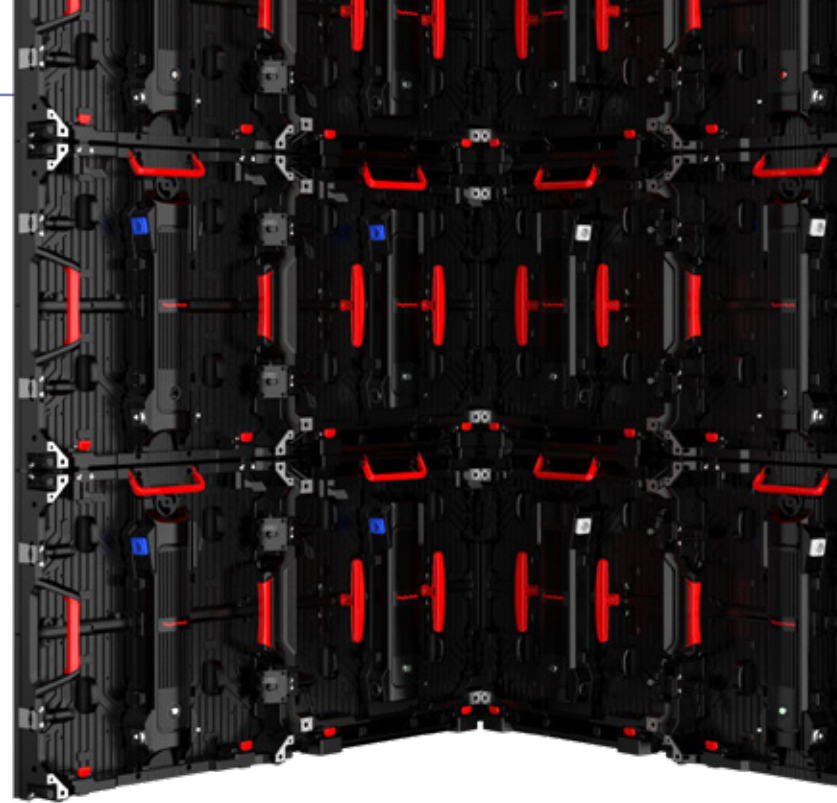
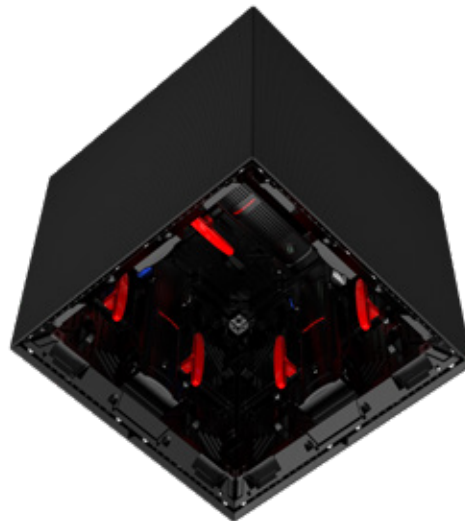
The IP65 rating indicates that the panels are completely dust-tight and protected against water jets from any direction, making them highly durable in various weather conditions. The IP54 rating ensures protection against dust ingress and water splashes, providing added resilience. These ratings are essential for maintaining optimal functionality and longevity of the LED panels, ensuring they can withstand harsh outdoor environments while delivering vibrant, high-resolution visuals.



Optional 4-sided 45° degree angle panels

Creative Applications

The 500mm x 500mm panel is versatile, allowing for the construction of five or four-sided cubes, rectangles, corners, and various other geometric shapes, enabling a wide range of innovative display designs.



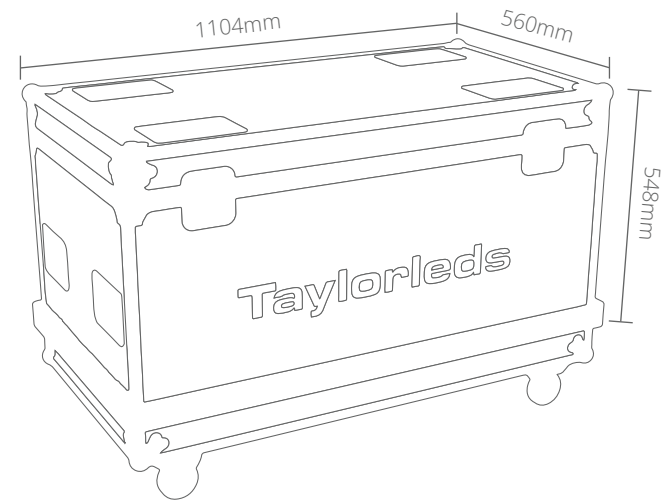
Road Case Options

Flight Case: 500mm x 1000mm

Superior 5-in-1 flight case for 500 x 1000mm cabinets.

Flight Case: 500mm x 500mm

Superior 8-in-1 flight case for 500 x 500mm cabinets.



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.



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

VE Pro-SF turbo-charged with the A10s Pro Card and MX COEX Series VMP Platform

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



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.



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.





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.



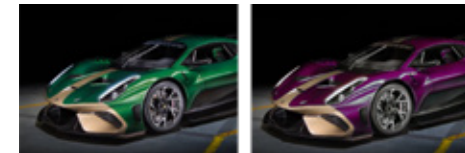
14CH Color Correction

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.



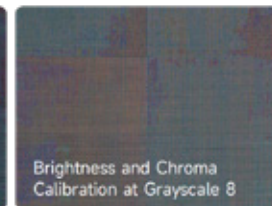
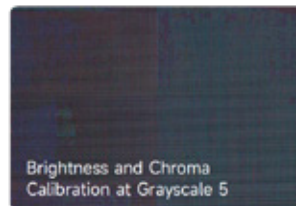
Color Replacement

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

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.





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 VE Pro-SF Series Modular LED panel shown. Additional frame sizes available.

Specifications	INDOOR				XR VE Pro-XR 2.6	OUTDOOR	
	VE Pro-SF 1.9	VE Pro-SF 2.6	VE Pro-SF 2.9	VE Pro-SF 3.9		VE Pro-SF 2.9	VE Pro-SF 3.9
LED Type	Black SMD 3 in 1 1212	Black SMD 3 in 1 1515	Black SMD 3 in 1 2020	Black SMD 3 in 1 1921	Black SMD 3 in 1 1515	SMD 3 in 1 1515	SMD 3 in 1 1921
Pixel Pitch (mm)	1.95	2.6	2.9	3.91	2.6	2.9	3.9
Panel Dimensions (W*H*D)/(mm)	500 x 500 x 80	500 x 500 x 80	500 x 500 x 80	500 x 500 x 80	500 x 500 x 80	500 x 500 x 80	500 x 500 x 80
Panel Weight (kg)	7.5	7.5	7.5	7.5	7.5	8	8
Pixel Per Panel (w, h)	256 x 256	192 x 192	168 x 168	128 x 128	192 x 192	168 x 168	128 x 128
Panel Material	Die Casting Aluminum	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	250 x 250
Brightness (nit)	900	1000	1000	800	1200-1500	4000	4000
Refresh Rate (Hz)	7680	7680	7680	7680	7680	7680	7680
Grayscale (bit)	14-16	14-16	14-16	14-16	16	14-16	14-16
Contrast Ratio	5000:1	5500:1	5500:1	4000:1	6000:1	4000:1	4000:1
Color Temperature (K)	6500	6500	6500	6500	6500	6500	6500
Viewing Angle (H/V) (°)	160/160	160/160	160/160	160/160	160/160	140/120	160/150
Driving Type	1/32	1/24	1/28	1/16	1/16	1/14	1/16
AC Operating Voltage (V)	100~240	100~240	100~240	100~240	100~240	100~240	100~240
Power Consumption (Max./Avg.) (W/m²)	500/167	690/230	498/166	440/147	690/230	720/240	588/196
Storage Temperature (°C)	-40~ + 60	-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	-20~ + 50
Storage Humidity (RH)	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~85%	10%~90%
Operating Humidity (RH)	10%~90%	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	IP65/IP54	IP65/IP54
LED Lifetime (H)	100000	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	Front or Rear
PSU & Others Maintenance	Front or Rear	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	Hanging / Stacking
Max Rigging QTY	20	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	CE, RoHS, ETL, FCC

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



Specifications

ATS-PRO VE Pro-SF XL Series Modular LED panel shown. Additional frame sizes available.

Specifications	INDOOR			OUTDOOR	
	VE Pro-SF XL 2.6	VE Pro-SF XL 2.9	VE Pro-SF 3.9	VE Pro-SF XL 2.9	VE Pro-SF XL 3.9
LED Type	Black SMD 3 in 1 1515	Black SMD 3 in 1 2020	Black SMD 3 in 1 2020	SMD 3 in 1 1515	SMD 3 in 1 1921
Pixel Pitch (mm)	2.6	2.9	3.91	2.9	3.9
Panel Dimensions (W*H*D)/(mm)	500 x 1000 x 80	500 x 1000 x 80	500 x 1000 x 80	500 x 1000 x 80	500 x 1000 x 80
Panel Weight (kg)	12.5	12.5	12.5	13.5	13.5
Pixel Per Panel (w, h)	192 x 384	168 x 336	128 x 256	168 x 336	128 x 256
Panel Material	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
Brightness (nit)	1000	1000	800	4000	4000
Refresh Rate (Hz)	7680	7680	7680	7680	7680
Grayscale (bit)	14-16	14-16	14-16	14-16	14-16
Contrast Ratio	5500:1	5500:1	4000:1	4000:1	4000:1
Color Temperature (K)	6500	6500	6500	6500	6500
Viewing Angle (H/V) (°)	160/160	160/160	160/160	140/120	160/150
Driving Type	1/24	1/28	1/16	1/14	1/16
AC Operating Voltage (V)	100~240	100~240	100~240	100~240	100~240
Power Consumption (Max./Avg.) (W/m²)	690/230	498/166	440/147	720/240	588/196
Storage Temperature (°C)	-40~ + 60	-40~ + 60	-40~ + 60	-40~ + 60	-40~ + 60
Operating Temperature (°C)	-10~ + 40	-10~ + 40	-10~ + 40	-20~ + 50	-20~ + 50
Storage Humidity (RH)	10%~90%	10%~90%	10%~90%	10%~85%	10%~90%
Operating Humidity (RH)	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
IP Rating (Front/Rear)	IP40/IP21	IP40/IP21	IP40/IP21	IP65/IP54	IP65/IP54
LED Lifetime (H)	100000	100000	100000	100000	100000
Module Maintenance	Front or Rear	Front or Rear	Front or Rear	Front or Rear	Front or Rear
PSU & Others Maintenance	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
Max Rigging QTY	10	10	10	10	10
Certification	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.





Masters in the Art of LED

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