Taylorleds

WN
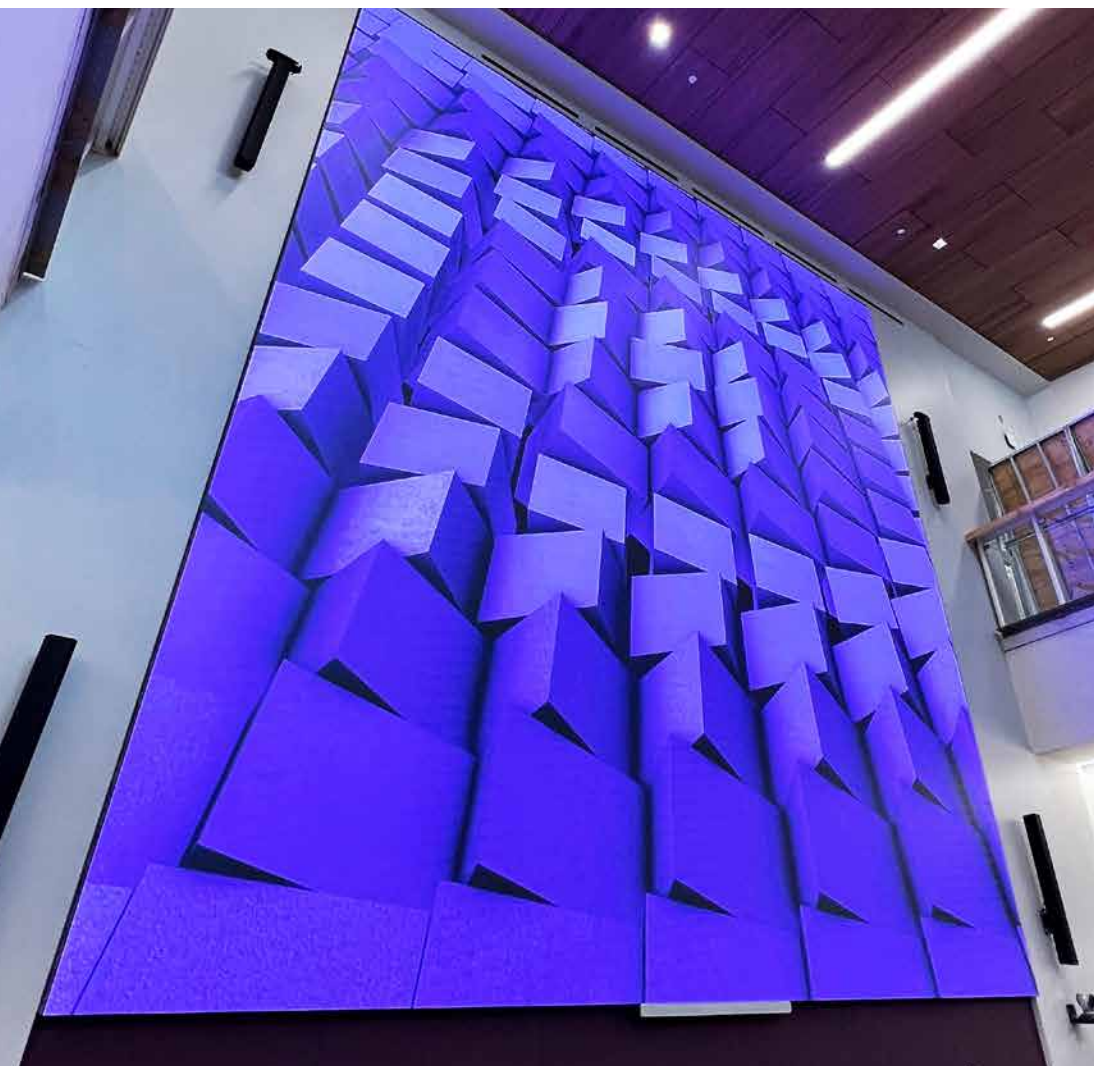## Pro Series

Flip Chip COB with More Than 30% Energy Savings at the Same Brightness. Experience the Finest Details.

WN PRO SERIES .7mm, 9 mm, 1.2mm, 1.5mm, 1.8mm

ATS PRO®

2024 WN PRO SERIES FLIP CHIP COB INDOOR 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 Pelzar

ATS PRO ®

Experience Matters: The WN Pro Series Redefines Your Digital Canvas

Since the introduction of COB technology, ATS-PRO has built more COB walls than any other company in the U.S. The WN Pro Series was developed based on our extensive experience in integrating these walls. It represents the pinnacle of indoor ultra-fine pitch LED displays, featuring a super black, uniform polymer coating and flip-chip design that deliver higher brightness, superior contrast, enhanced durability, and lower power consumption.
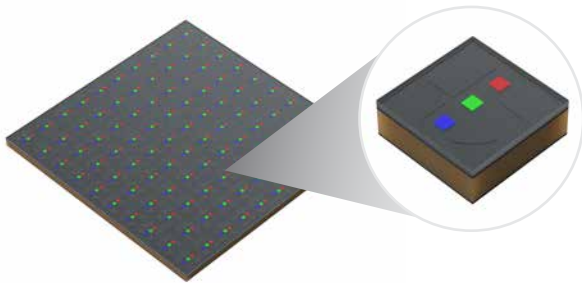
Equipped with the most advanced A10S Pro graphic cards as standard, the WN Pro Series offers stunning visual performance. Each display undergoes a meticulous factory calibration process to ensure true-to-life color accuracy and HDR color grading. For the final touch, on-site commissioning and calibration services are available upon advance scheduling, completing this state-of-the-art direct-view LED solution.
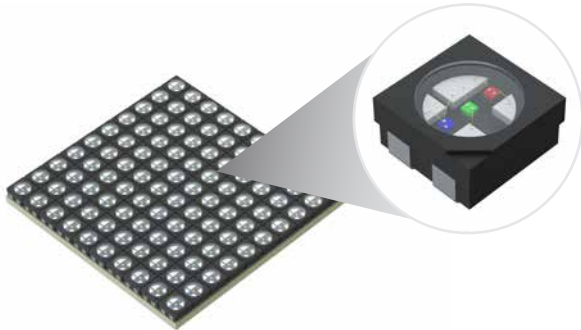
ATS PRO®

The Best COB Display

COB Technology

Brings refined specular highlights, incredible detail in shadows, and vibrant, true-to-life colors. Each display is calibrated in the factory and features pro reference modes for HDR color grading.

COB Compared to SMD

COB modules as compared to SMD modules provide anti-collision and easy cleaning characteristics. Extremely low pixel failure makes it a good choice for very high resolution walls.
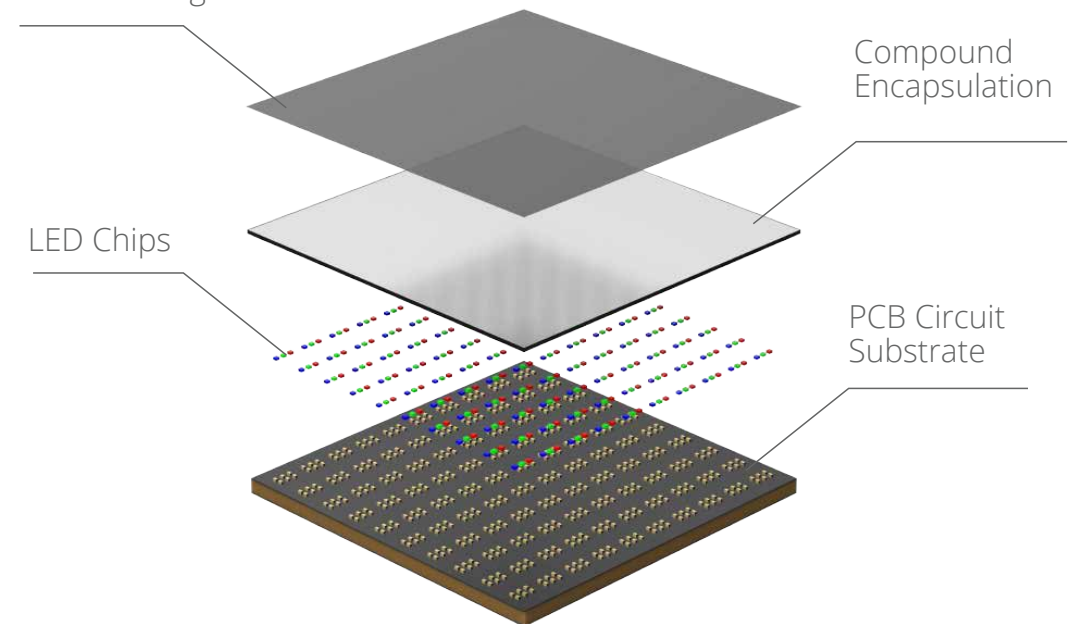

CORE PACKAGING TECHNOLOGY
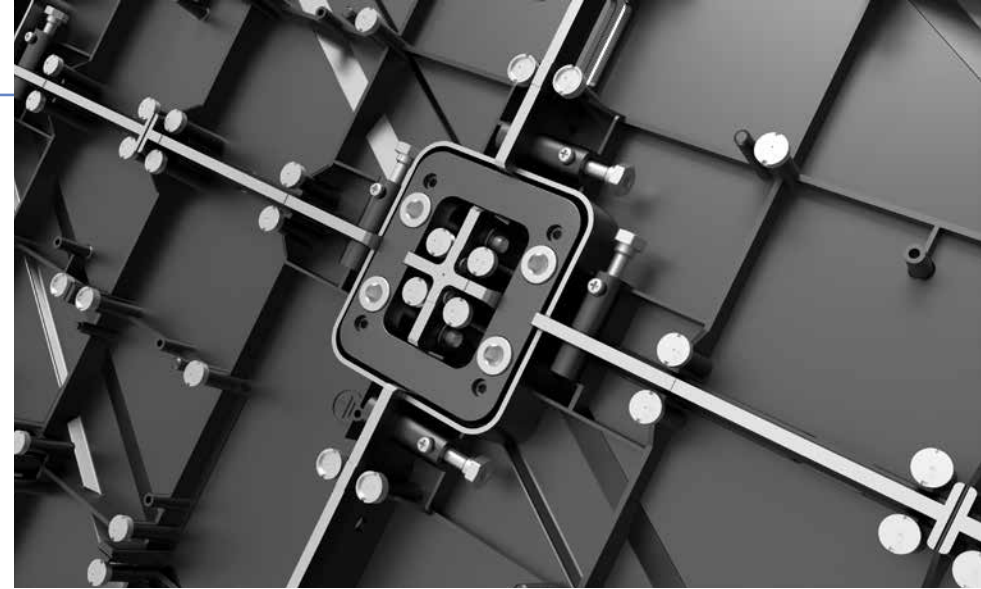

Polymer Material Black Coating

Compound Encapsulation

LED Chips

PCB Circuit Substrate

ATS PRO®

Elevated Panel Design with Pro Features

True 16:9 Ratio

16 x 9 panel allowing perfect aspect ratios that match any HD format without the need for scalers or external video processing.

Internal Brackets

Internal alignment brackets are used for perfect flatness and panel alignment during installation.
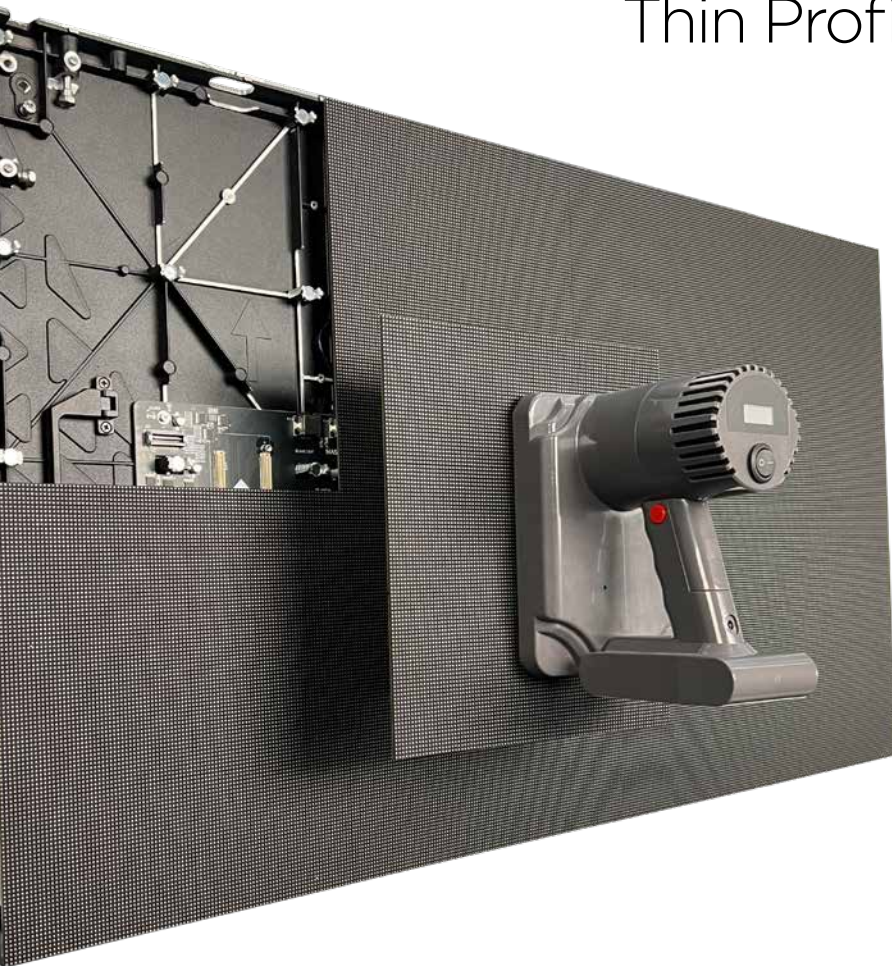
Deep Black

Precise color accuracy with an COB manufacturing process that boasts enhanced individual LED color matching and module calibration. Advanced calibration architecture enables stunning clarity.
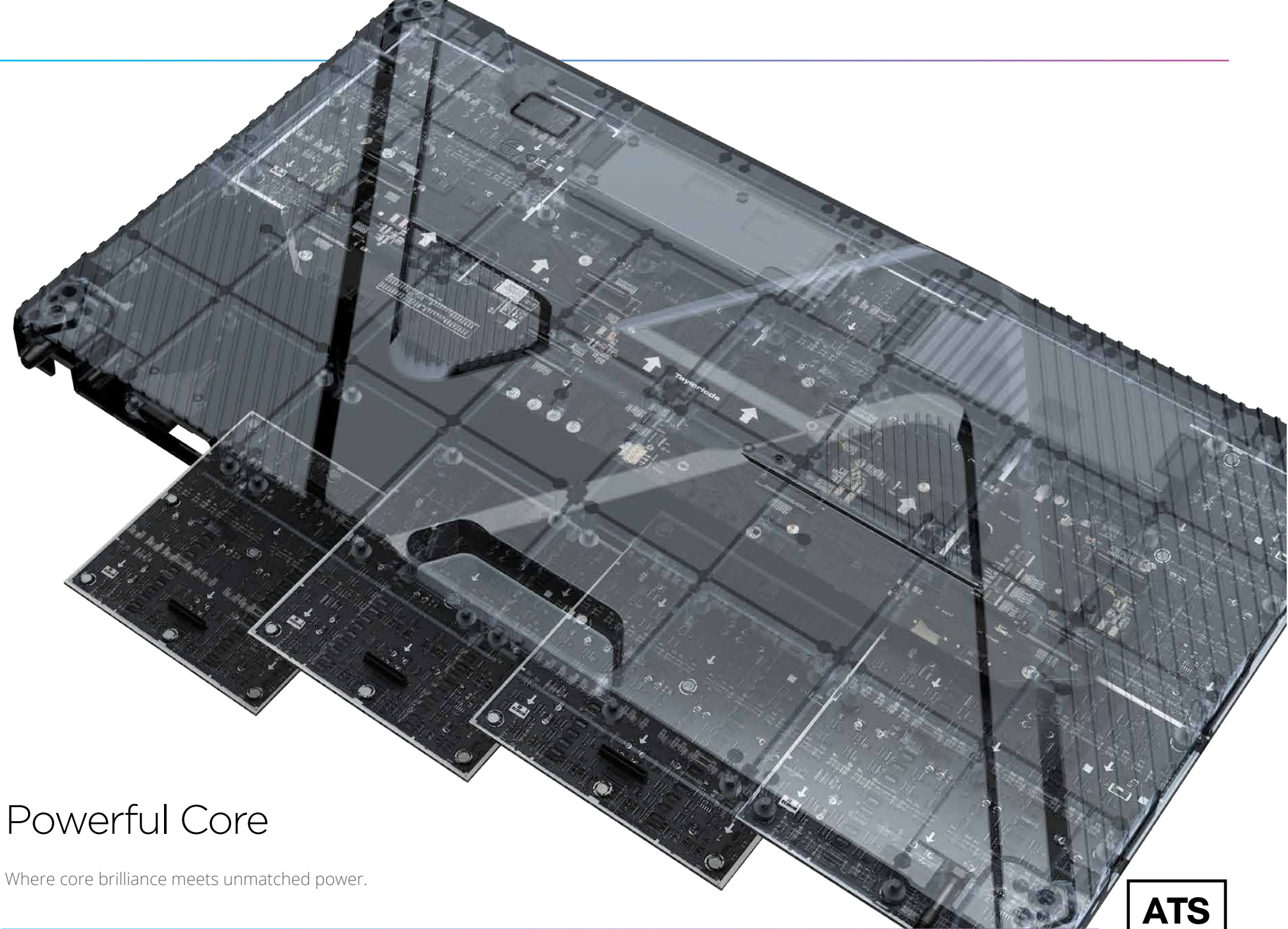
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Thin Profile Just over 1.5" thick panel (39.3 mm / 1.55").

Front Serviceable

The WN Pro LED display is engineered for maximum convenience and efficiency, featuring a front serviceable design. This allows for easy access to both the power units and LED modules, enabling swift removal and replacement directly from the front of the display. As a result, maintenance time and effort are significantly reduced, ensuring minimal disruption and enhanced operational reliability.

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Powerful Core

Where core brilliance meets unmatched power.

ATS PRO®

Super Protective Surface

- Dust-resistant
- Anti-collision
- Anti-oxidation
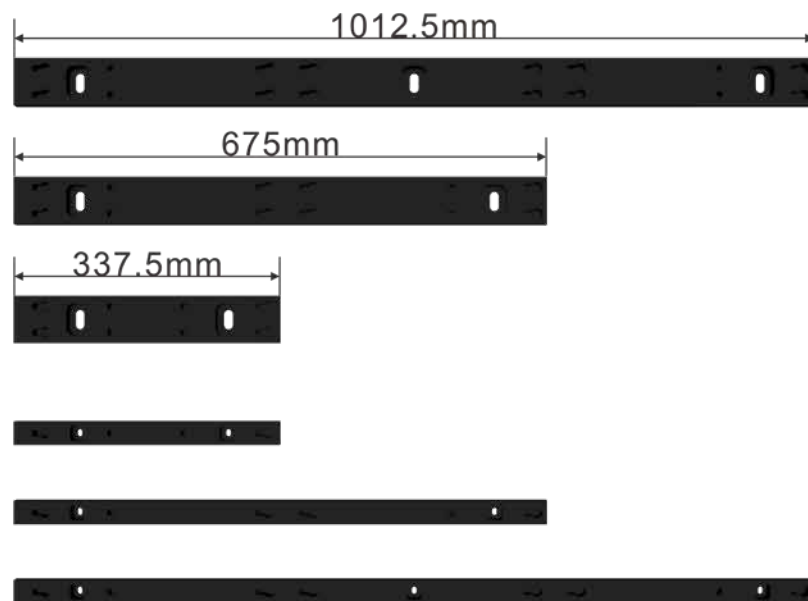- Moisture-resistant
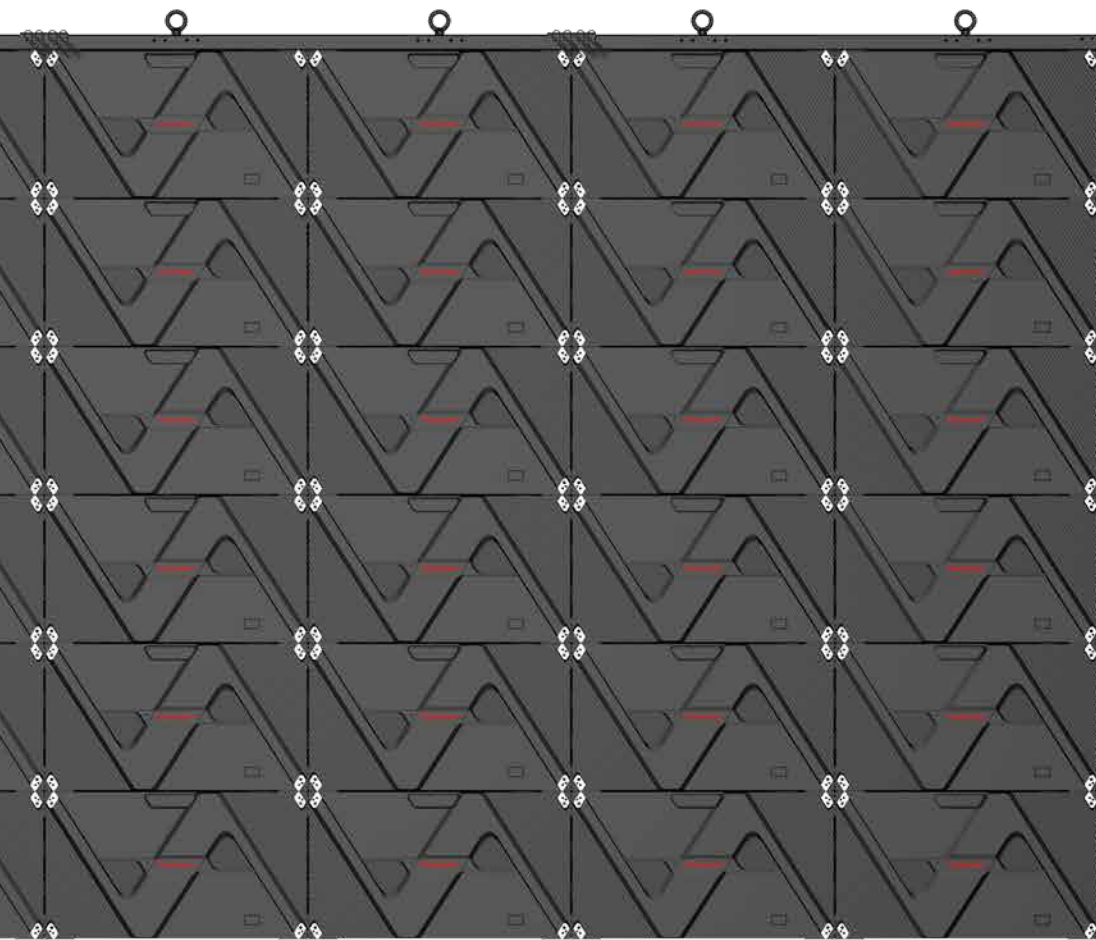- Anti-static
- Anti-finger marks

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Wall Mounting Options

Wall Mount System

Specifically designed wall mount system for WN Pro panels.
Brackets are modular designed and easily connect together.
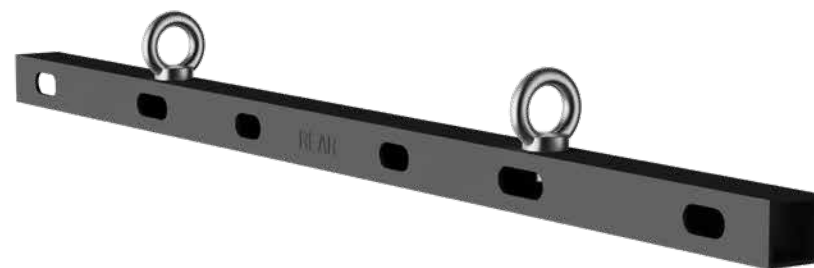
1012.5mm

675mm

337.5mm

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Hanging Option

Rigging System
Specifically designed for WN Pro panels in 600 mm width.

Floor Stack Option

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.

ATS PRO®

Elevated Graphics Performance

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

By making the the WN 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 WN Pro Series and the powerful new COEX MX Series Processors, the WN 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.
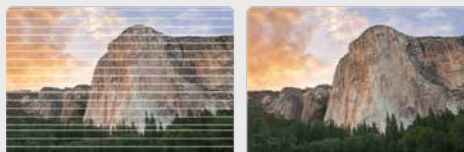
Color Replacement

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.

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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.

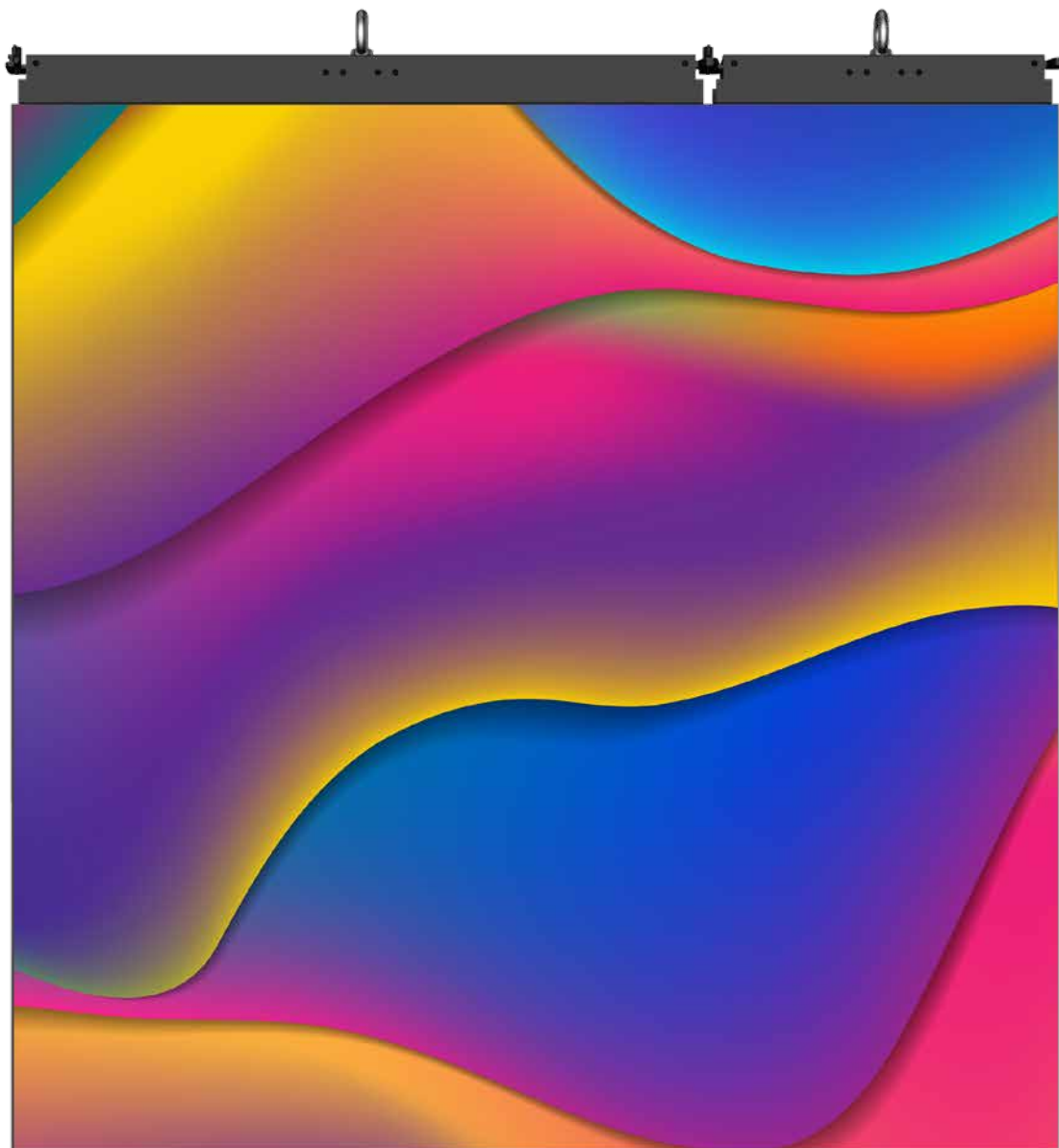No overexposure in brights   No loss of details in shadows

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.

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.

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Specifications

ATS-PRO WN Pro Series Modular LED panel shown.

Specifications	WN Pro .7	WN Pro .9	WN Pro 1.2	WN Pro 1.5	WN Pro 1.8
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	0.78	0.93	1.25	1.56	1.87
Panel Dimensions (W*H*D)/(mm)	600 x 337.5 x 39.3	600 x 337.5 x 39.3	600 x 337.5 x 39.3	600 x 337.5 x 39.3	600 x 337.5 x 39.3
Panel Weight (kg)	4.5	4.5	4.5	4.5	4
Pixel Per Panel (w, h)	768 x 432	640 x 360	480 x 270	384 x 216	320 x 180
Panel Material	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum
Module Dimensions (W*H)/(mm)	150 x 168.76	150 x 168.76	150 x 168.76	150 x 168.76	150 x 168.76
Brightness (nit)	800	800	800	800	600
Refresh Rate (Hz)	≥3840	≥3840	≥3840	≥3840	≥3840
Gray Scale (bit)	14 Bit	13 Bit	14 Bit	13 Bit	13 Bit
Contrast Ratio	15,000:1	15,000:1	15,000:1	15,000:1	15,000:1
Color Temperature (K)	6500	6500	6500	6500	6500
AC Operating Voltage (V)	100~240	100~240	100~240	100~240	100~240
Power Consumption (Max./Avg.) (W/m^2)	435/145	440/133	350/170	326/109	325/108
Module Maintenance	Front	Front	Front	Front	Front
PSU & Others Maintenance	Front	Front	Front	Front	Front

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

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