



WN Pro Series

Wafer Nexus Flip-Chip - COB LED



2024 WAFER NEXUS (WN) PRO SERIES FLIP CHIP COB LED by : **Taylorleds**

The most experienced company in COB



Taylorleds

There is no one better at this.

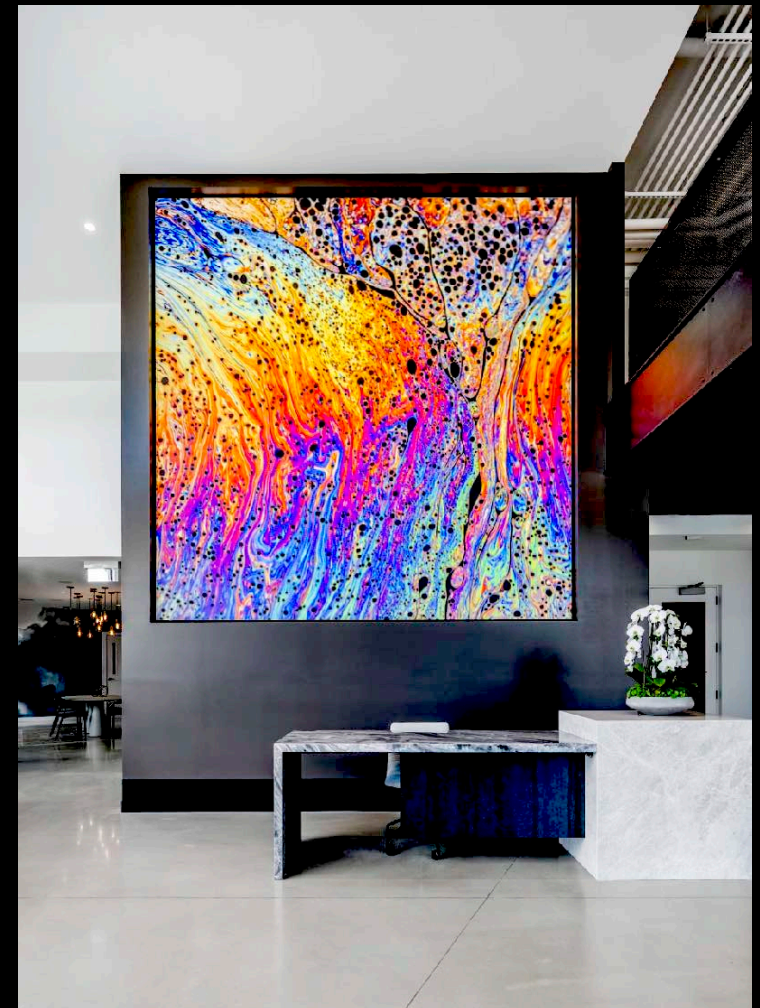
Ultra-high consistency with the most advanced Flip Chip Micro LED, more than 30% energy saving at the same brightness, and the temperature rise of the screen is extremely low.

For more than 17 years the staff at ATS-Professional has designed and built some of the most iconic indoor LED systems throughout the world with Pixel ranges from .7mm to 10mm in all sorts of sizes and shapes.

Taylorleds is an innovative, integrity minded joint-venture focused on providing State of the Art LED products. Absen owns 80% of Taylorleds and manufactures most of Taylorleds LED Display products while Design, R&D and QC are handled by Taylorleds. Absen is a public-listed Chinese LED Display manufacturer.

With decades of experience dealing in OEM manufacturing and our Un-matched internal Design and Engineering, ATS- Pro introduces our newest and most advanced line of indoor COB LED systems by Taylorleds.

Every facet of the Design has been meticulously thought out. Mechanical Design, Visual Electronics and Graphics, Installation, Reliability, Service and Support, Multiple Resolutions and Media Playback Systems to fit any budget.





The best COB display ever.

WN Pro Series Wafer Nexus 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.



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PRO



Unrivaled Graphics Performance.

Novastar A10s Pro Card and MX COEX Series VMP Platform



NovaStar's solution is specially designed for camera shooting scenarios, and can effectively solve problems with black field and scan lines. This solution features industry-leading image boosting technology, which helps users create shooting scenes more comparable to real environments. This solution is driven by NovaStar's all-new LED control platform VMP, which integrates design, monitoring, and management, bringing users the ultimate control experience.

Frame Multiplexing

Supports frame multiplexing allowing users to reframe multiple video feeds in the same time field. Utilizing the camera's genlock phase offset, it becomes possible to output multiple effects simultaneously within a single shooting scene, improving work efficiency and reducing cost.



Shutter Fit

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



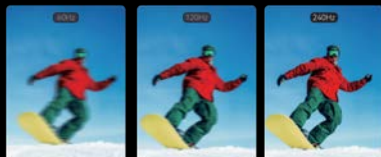
Phase Offset

Adjusting the output phase offset value allows the LED display and camera to perfectly match. This helps prevent black field and image tearing from being captured by the camera 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.



Color Replacement

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



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 that retain their intended beauty.





Powerful Capabilities.

OnBoard Series II turbo-charged with the A10sPro Card and MX COEX Series VMP



By making the the WN Pro Series come standard with the Novastar A10s Pro Receiving Card taking full advantage of the most powerful Graphics Engine and Processing available on the market today. With the exceptional, elegant design of the OnBoard Series II Series and the Powerful new COEX MX Series Processors , the WN Pro Series Elevates the LED Experience by providing - State of the Art - color, operational control and advanced Camera Correction features.

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 in bright content but delivering rich details in dark content.



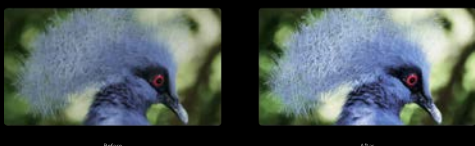
Scenario Presets

Different display requirements are necessary to meet the needs of different shooting scenarios. Presets allow users to save settings in advance, including brightness, color temperature, gamma, and more, all retrievable with a single button press.



Dual Image Booster

The all-new MX series solution is equipped with Image Booster 2.0 and Dynamic Booster technologies, which can improve the performance of grayscale, color and contrast ratio, creating an immersive view to fulfill the requirements necessary for xR applications.



MX40 PRO

MX40 PRO and VMP software is an all-new display control software that integrates design, management, and monitoring into one single powerful platform when paired with the A10s Pro receiving card for stunning image quality.



MX30 - SF Exclusive to ATS-Pro

MX30 - SF and VMP software is an all-new display control software that integrates design, management, and monitoring into one single powerful platform when paired with the A10s Pro receiving card for stunning image quality.





Deep Black - And made to stay that way.

More advanced calibration architecture enables stunning color clarity. With an in-house COB manufacturing process that boasts enhanced individual LED color matching and individual module calibration, the color accuracy of has never been so precise. The result is a stunning gain in color clarity that unlocks unparalleled versatility, empowering you to expand your screen real estate like never before.



Conventional COB



WN Pro Series COB

Specifications



	WN Pro Series .9	WN Pro Series 1.2	WN Pro Series 1.5	WN Pro Series 1.9
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	0.93	1.25	1.56	1.87
Panel Dimensions (WxHxD)/(mm)	600*337.5*39.3	600*337.5*39.3	600*337.5*39.3	600*337.5*39.3
Pixel Per Panel	640*360	480*270	384*216	320*180
Panel Weight (kg)	4.3	4.3	4.3	4.3
Panel Material	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum
Module Dimensions (WxH)/(mm)	150*168.75	150*168.75	150*168.75	150*168.75
Brightness (nit)	600	600	600	600
Refresh Rate (Hz)	≥3840	≥3840	≥3840	≥3840
Contrast Ratio	15,000:1	15,000:1	15,000:1	15,000:1
Gray scale	13Bit	14Bit	13Bit	13Bit
Color Temperature (K)	6500	6500	6500	6500
AC Operating Voltage (V)	100~240V	100~240V	100~240V	100~240V
Power Consumption (Max)(W/m2)	285	285	285	285
Power Consumption (Avg)(W/m2)	95	95	95	95
Module Maintenance	Front	Front	Front	Front
PSU & Others Maintenance	Front	Front	Front	Front