

Taylorleds



Collaborate

POWERFUL ALL-IN+ONE SYSTEM.

Right out of the box. Ready to install.

COLLABORATE SERIES 1.2mm, 1.5mm, 1.8mm

2025 COLLABORATE SERIES ALL IN + ONE LED MADE FOR ATS-PRO BY TAYLORLED

ATS
PRO



Masters in the Art of LED

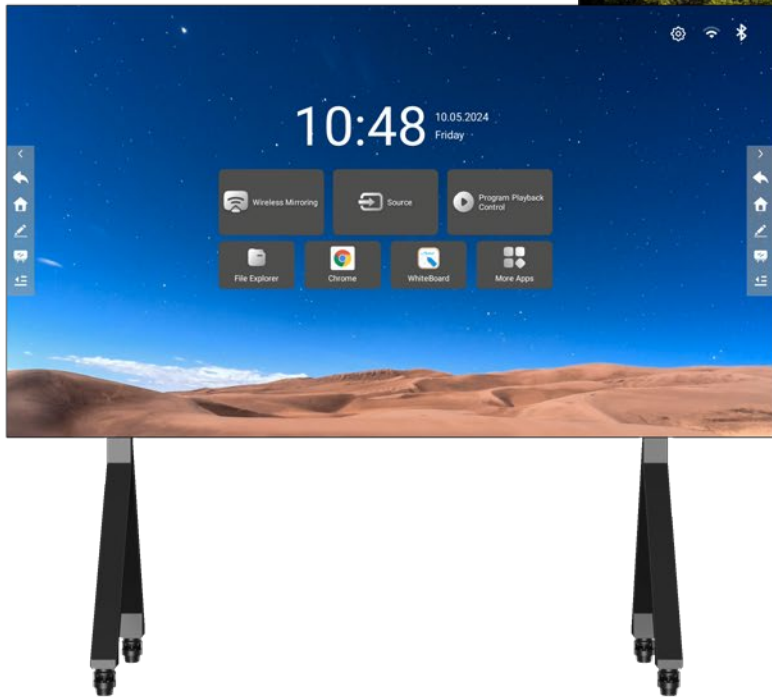
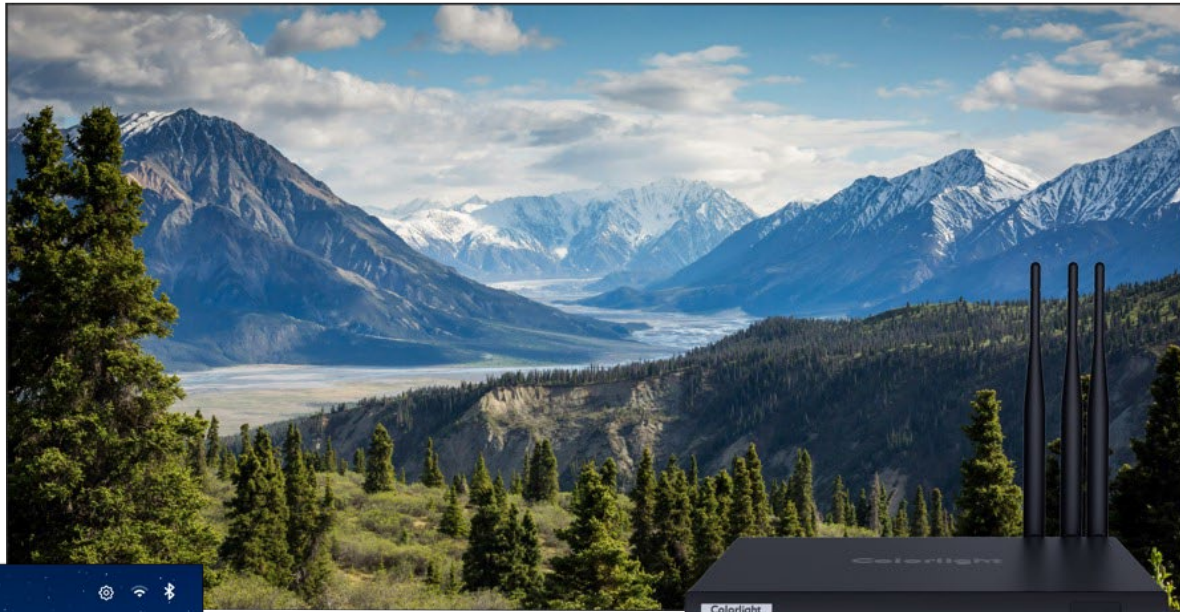
Welcome to ATS-Pro, the exclusive U.S. distributor for Taylorleds. With nearly two decades of experience in the AV industry, I founded ATS-Pro to bring unmatched expertise and innovation to our clients.

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 Pelzar



ALL IN + ONE



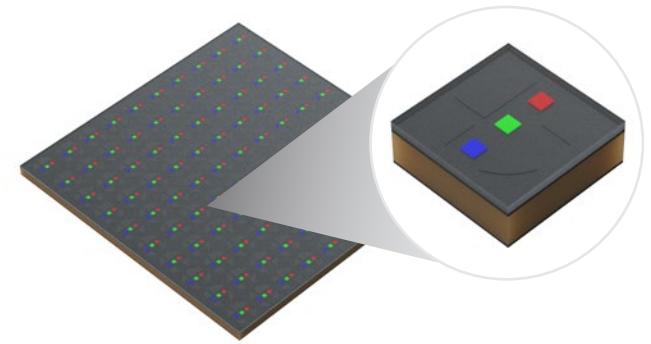
The design concept behind the ATS-Pro All In + One is simple. Use the best Flip Chip COB LED panel on the market today from Taylorleds. Keep the "All in One" electronics for LED processing, HDMI inputs, Wi-Fi, USB inputs, audio, and operating system with apps and video playback in an external solution from Colorlight and add finishing touches like wall mounts, stand and trim. No need for special power or wiring. Pick your size, add on any options, and you're ready to go.





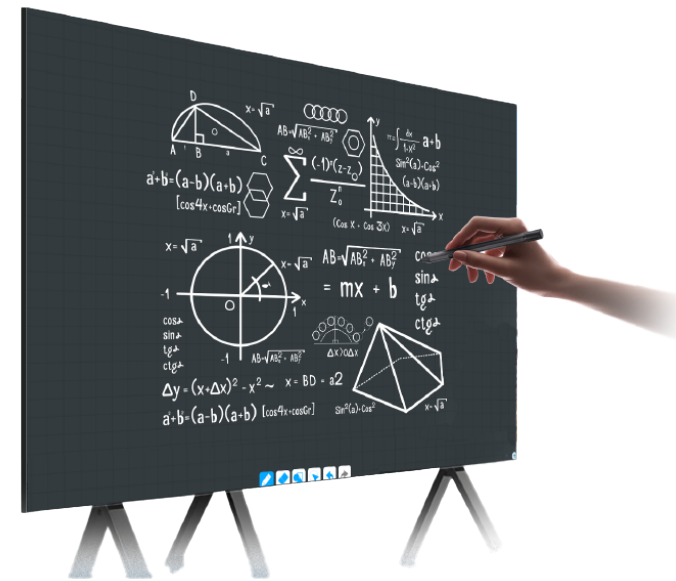
The Best COB Display

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.



Optional Touch Screen

Supports a multi-point infrared touch system that will elevate user engagement and interactivity. Sketch out your ideas, analyze a business chart, or flip through a Power Point presentation with ease.





Next-Gen Media Processing with the AX08 controller

Driven by a high-performance CPU and GPU, the AX08 media player supports up to three layers and dozens of dynamic content windows simultaneously. Each window can play high-resolution preloaded content—including 4K and 1080p video—directly from the device's internal storage. Whether you're managing live video feeds, PowerPoint presentations, or video conferencing platforms like Zoom or Microsoft Teams, the Collaborate with AX08 controller delivers the processing power and windowing and scaling flexibility needed for today's modern meeting spaces.



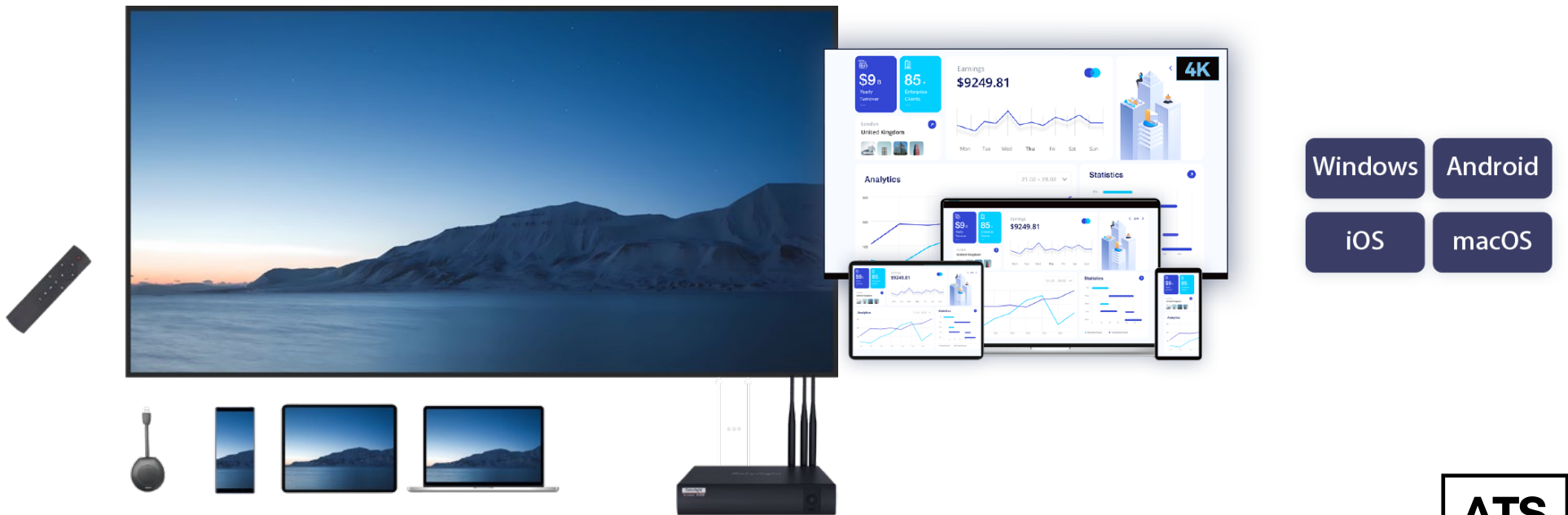
Practical functions, applicable to a variety of scenarios

One-stop Meeting Experience

Bring ideas to life with a modern twist on the classic white-board. Write, share, and collaborate seamlessly—making teamwork more engaging and efficient.

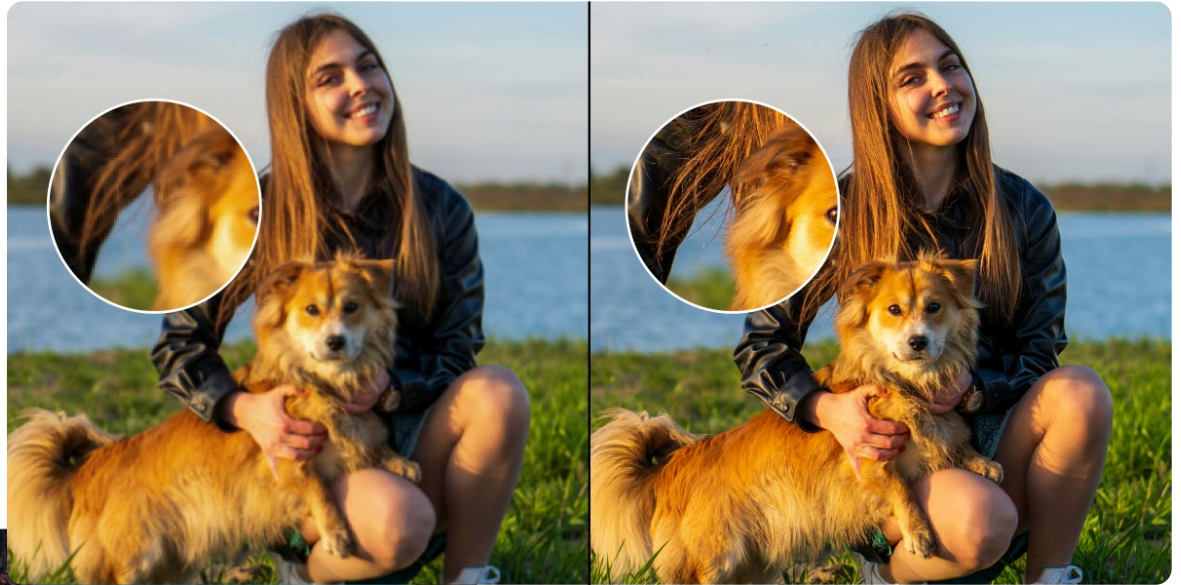
Wireless Screen Mirroring

Supports wireless screen mirroring on multiple platforms.



AI SR

AI SR harnesses advanced neural network technology to transform low-quality videos into stunning ultra-high-definition visuals. By intelligently analyzing and reconstructing each frame, it can enhance resolution by up to three times the original, revealing sharper details, richer textures, and a more immersive viewing experience.



AI MEMC

AI Motion Estimation and Motion Compensation

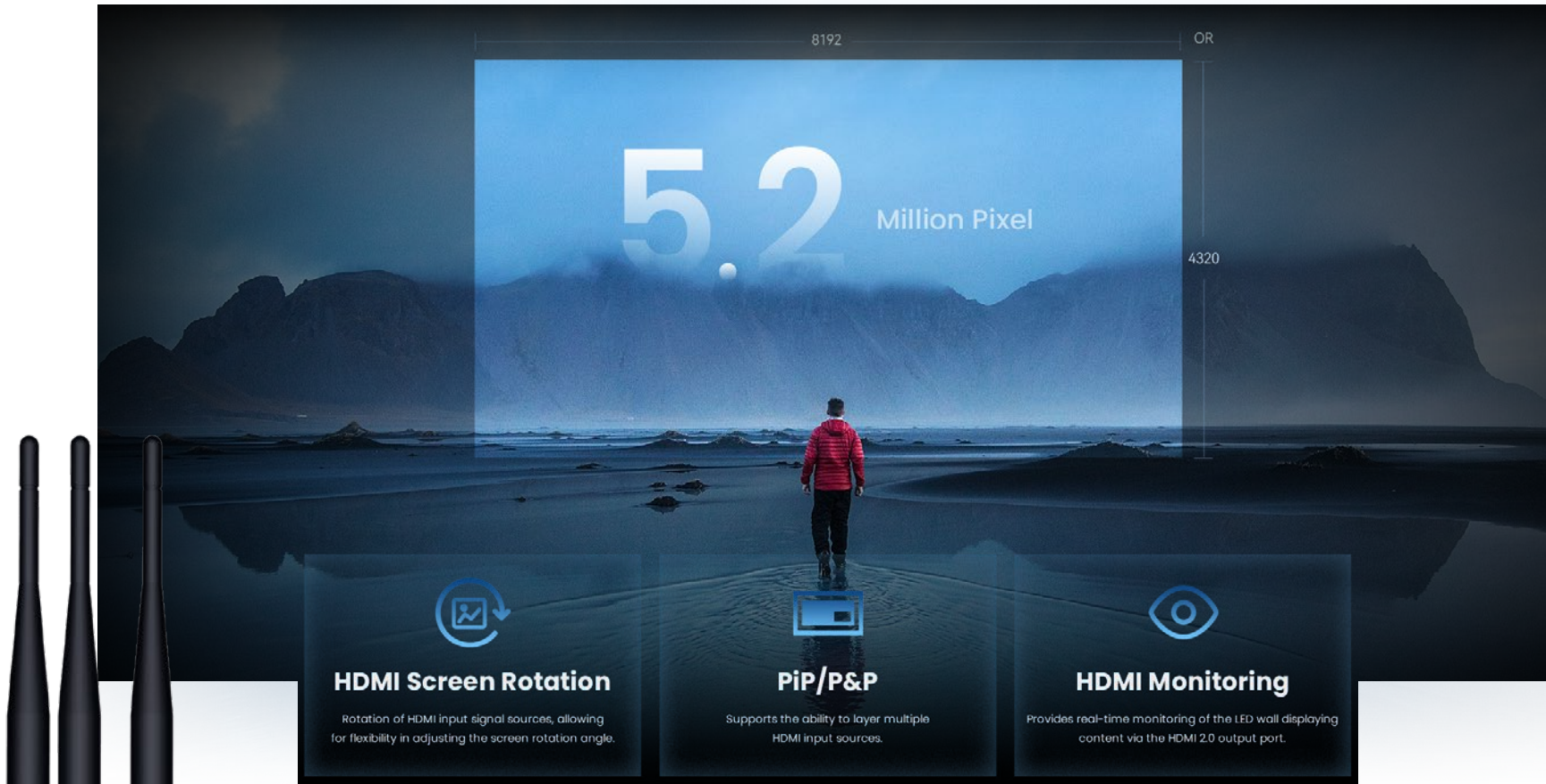
Using deep neural networks, intermediate frames are predicted by calculating from the previous and next original frames, thereby increasing the video frame rate to deliver a smoother visual experience compared to the original video. For an LED Wall, MEMC increases the video/signal from 30FPS to the native LED Wall frame refresh rate of 60FPS.



High Refresh Rate: 7680Hz

The Collaborate 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.





8 Ports. Endless Possibilities.

Featuring 8 network ports, the system supports a load capacity of up to 8192 pixels wide or 4320 pixels high. This allows point-to-point loading with ease—delivering powerful performance without the need for complex technical setup.



Photo-based Screen Mapping and Seam Correction

Photo-based screen mapping uses a simple photograph of your LED display to automatically align and configure the screen layout. This quick, accurate method streamlines setup, ensuring perfect mapping without manual adjustments.



Preset Scene Modes

Preset Scene Modes let you instantly adapt the display to any setting. With a single click, switch between usage scenarios and enjoy optimized visuals for the best viewing experience every time.

Regular Mode
Moderate Color and Contrast

Video Mode
Richer and more vivid video colors

Document Mode
Soft picture, suitable for document viewing

Meeting Mode
Natural color for video meetings

Eye Protection Mode
Filters harmful blue light and allows beneficial light through.

505 nm 445 nm 380 nm

Beneficial Light Beneficial Blue-Green Light Harmful Blue-Violet Light Harmful Light

Blue-Green Light and Other Visible Light Ultraviolet and Blue Light



Support for Installing Third-Party Apps

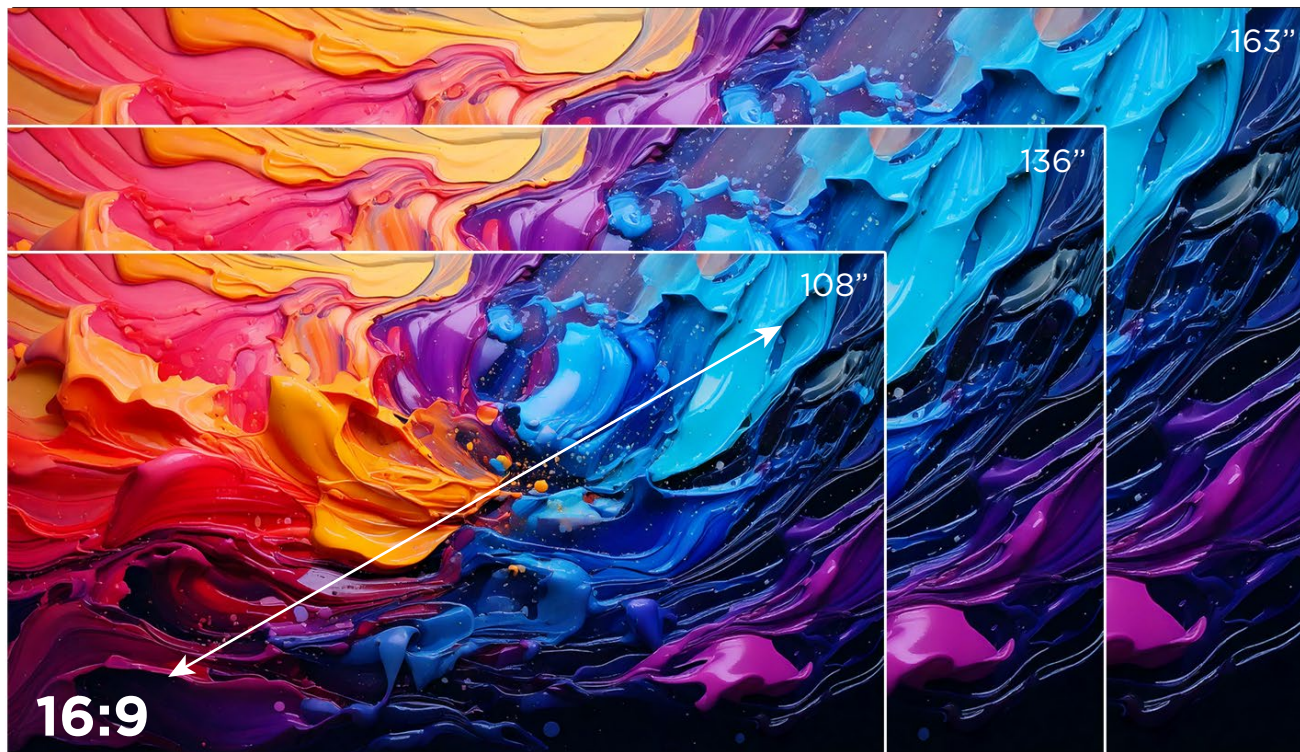
Install applications through an external device such as a USB flash drive.

Fully supports all common meeting software such as Zoom, Microsoft teams and more.



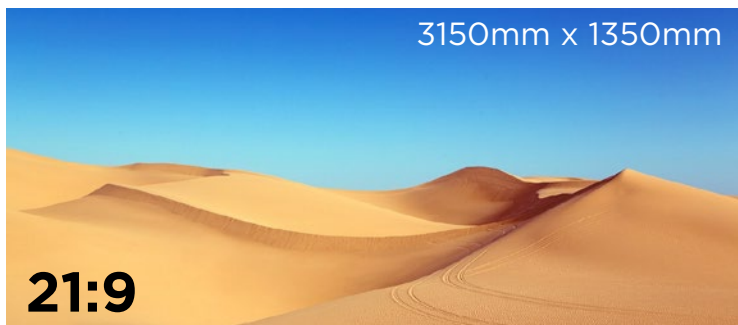
Collaborate 16:9 Screen Size Options

There are three screen sizes available with diagonal lengths of 108", 136" and 163" in 1.2mm, 1.5mm and 1.8mm pixel pitches.



Collaborate 32:9 and 21:9 Screen Size Options

Available in both 32:9 and 21:9 screen size options in 1.2mm, 1.5mm and 1.8mm pixel pitches.



Optional Speakers

Optional Line Array Speaker System from K-Array's KGEAR products. An exceptional audio system with unmatched audio clarity and versatility, not cheap built-in speakers found in other all-in-one LED displays.

Experience an ultra-compact line array and point source column speakers that deliver exceptional sound performance in a small, lightweight design.

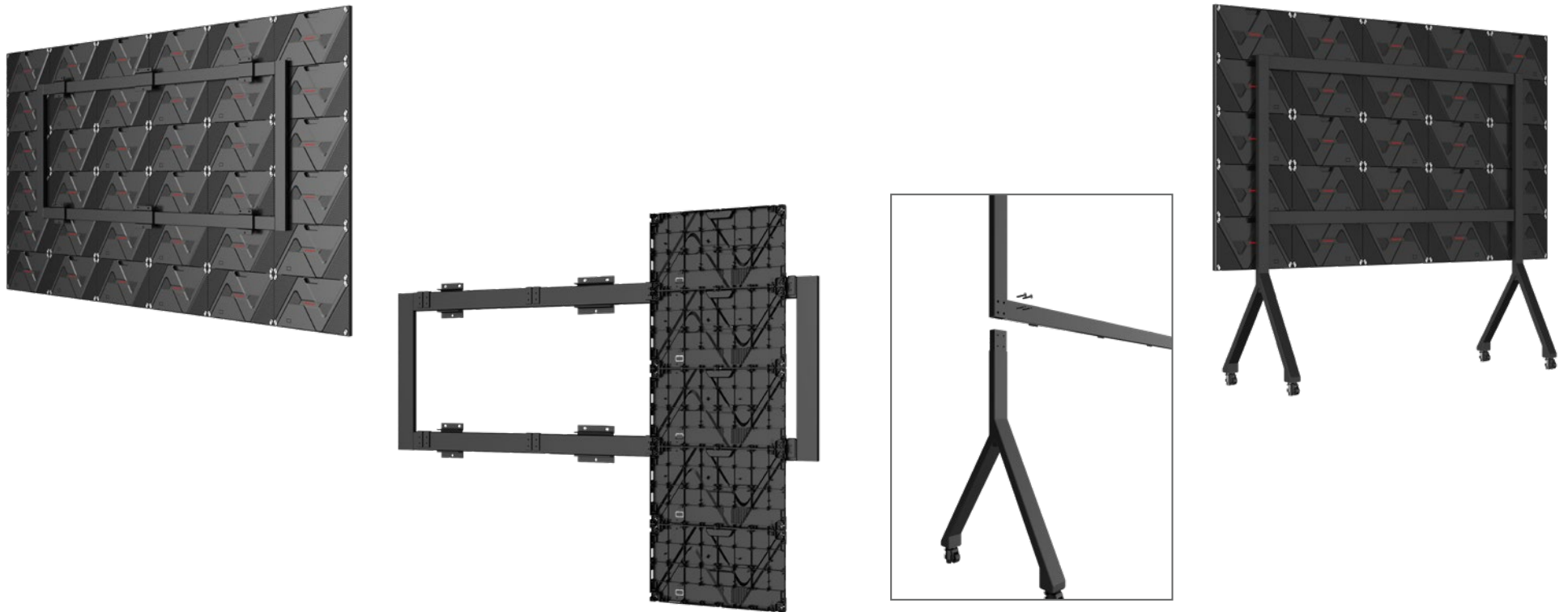
KGEAR
Smart Audio Solutions



Install It Your Way: Floor Stand or Wall Mount

Universal Mounting System

Specifically designed for the Collaborate Series (up to 163"), this affordable, modular stand can be used as either a floor stand or a wall-mount system. Simply detach the base legs, and the rectangular upper frame transforms into a wall-mount bracket—providing flexibility to fit your meeting space needs. The stand is easy to move and reconfigure, making it ideal for mobile presentations or fixed installations.



Bring Your LED Wall Anywhere — No Setup Hassle Required

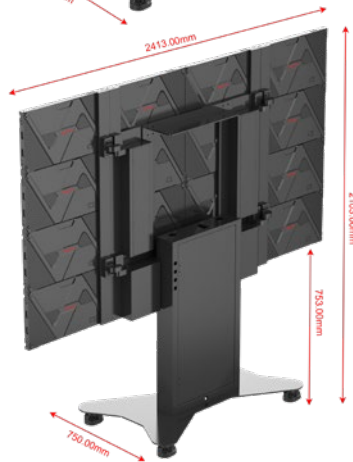
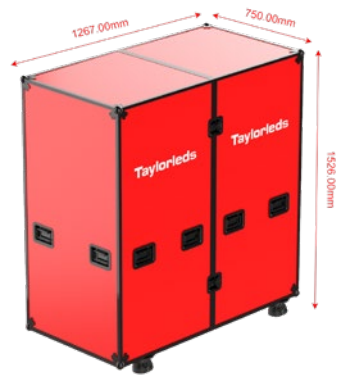
Move your Collaborate LED Wall between rooms or venues in minutes. Unlike traditional LED walls that need full assembly and can't fit through standard doors, the Collaborate Series is built for true portability.

Its foldable subframe, hydraulic lift, and custom road case make transport and setup effortless. Just roll in the case, unfold the panels, plug it in, and press a button — your wall is ready to shine in under five minutes.

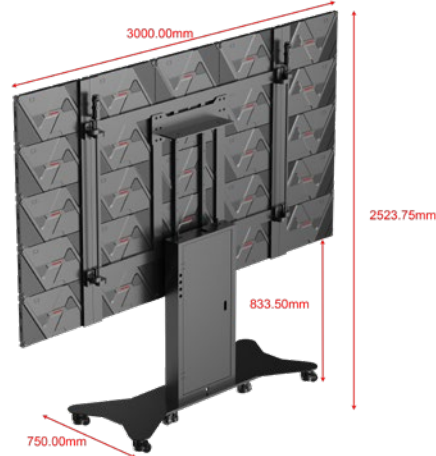
Each system includes an integrated media player and fits through most residential and commercial doors (case size up to 6'3" × 2'7" × 6'5"). It's a turnkey, professional LED solution — no extra labor, no AV crew, no downtime.



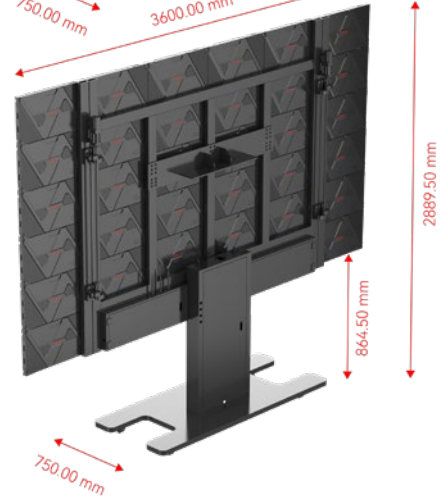
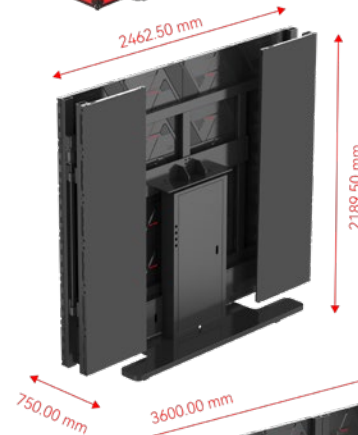
Collaborate 108"



Collaborate 136"



Collaborate 163"



Specifications

ATS-PRO Collaborate 16:9 Series.

Specifications Collaborate 108 Collaborate 136 Collaborate 163

LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	1.25	1.56	1.87
Screen Dimensions (W*H)/(mm)	2400 x 1350	3000 x 1687.5	3600 x 2025
Screen Dimensions (W*H)/(ft)	7.87 x 4.43	9.84 x 5.54	11.81 x 6.64
Screen Resolution (dots)	1920 x 1080	1920 x 1080	1920 x 1080
Brightness (nit)	800	800	1000
Refresh Rate (Hz)	7680	7680	7680
Gray Scale (bit)	14 Bit	13 Bit	14 Bit
Contrast Ratio	15,000:1	15,000:1	15,000:1
Viewing Angle	160/160	160/160	160/160
Power Consumption (Max./Avg.) (W/m ²)	350/117	326/109	325/108
Operating Voltage	110v ~ 240v	110v ~ 240v	110v ~ 240v

AX08 Intelligent Playback Control Processor

CPU	RK3588 (4x A76 + 4x A55)
Memory	8GB + 128GB
Android	Version 13
File System	support FAT32, NTFS, exFAT
HDMI IN	1x HDMI2.0 IN: 3840 X 2160 @ 60Hz, 1x HDMI1.4 IN
HDMI OUT	1x HDMI2.0 OUT, 3840 X 2160 @ 60Hz
LED OUT	8 GE, P2P Loading 5.2M Pixels
Width / Height Limit	W:7680, H:4320
Video Decoding	8K Decoding
Source Switching	Seamless HDMI Switching with Fade In/Out
Multi Layer	HDMI & ANDROID Multi-Signal Sources Fusion
TYPE-C	For 4K Screen Caster, Video Output
Wireless Screen Casting	4K Screen Casting
WiFi	WiFi6
AI Functions	SR, MEMC
Audio	1 x 3.5mm Jack, Supporting HiFi Audio



Specifications

ATS-PRO Collaborate 32:9 Series.

Specifications	Collaborate 32:9 1.2	Collaborate 32:9 1.5	Collaborate 32:9 1.8
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	1.25	1.56	1.87
Screen Dimensions (W*H)/(mm)	4800 x 1350	6000 x 1687.5	7200 x 2025
Screen Dimensions (W*H)/(ft)	15.75 x 4.43	19.69 x 5.54	23.62 x 6.64
Screen Resolution (dots)	3840 x 1080	3840 x 1080	3840 x 1080
Brightness (nit)	800	800	1000
Refresh Rate (Hz)	7680	7680	7680
Gray Scale (bit)	14 Bit	13 Bit	14 Bit
Contrast Ratio	15,000:1	15,000:1	15,000:1
Viewing Angle	160/160	160/160	160/160
Power Consumption (Max./Avg.) (W/m²)	350/117	326/109	325/108
Operating Voltage	110v ~ 240v	110v ~ 240v	110v ~ 240v

ATS-PRO Collaborate 21:9 Series.

Specifications	Collaborate 21:9 1.2	Collaborate 21:9 1.5	Collaborate 21:9 1.8
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	1.25	1.56	1.875
Screen Dimensions (W*H)/(mm)	3150 x 1350	3150 x 1350	3150 x 1350
Screen Dimensions (W*H)/(ft)	10.33 x 4.43	10.33 x 4.43	10.33 x 4.43
Screen Resolution (dots)	2520 x 1080	2016 x 864	1680 x 720
Brightness (nit)	800	800	1000
Refresh Rate (Hz)	7680	7680	7680
Gray Scale (bit)	14 Bit	13 Bit	14 Bit
Contrast Ratio	15,000:1	15,000:1	15,000:1
Viewing Angle	160/160	160/160	160/160
Power Consumption (Max./Avg.) (W/m²)	350/117	326/109	326/109
Operating Voltage	110v ~ 240v	110v ~ 240v	110v ~ 240v

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





Masters in the Art of LED

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