

Taylorleds



Collaborate Series

POWERFUL ALL-IN-ONE SYSTEM.

Right out of the box. Ready to install.

COLLABORATE SERIES 0.7mm, 0.9mm, 1.2mm, 1.5mm

2026 COLLABORATE SERIES ALL IN ± ONE 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



TU Media Player



ALL IN $\pm$ ONE



The design concept behind ATS-Pro All in $\pm$ One is simple: pair Taylorleds Flip Chip COB LED panels with flexible external processing from NovaStar. Every Collaborate Series display includes a standard TU Series media player—the “+ One”—bringing LED display control, HDMI inputs, Wi-Fi, USB, audio, apps, and video playback together in one external unit.

The “- One” option lets you replace the standard TU media player with a controller from NovaStar’s COEX, H, or VX Pro series. Choose the inputs, outputs, and video processing capabilities that best suit your application.

Complete your display with wall mounts, trim, and an optional mobile stand. No special power or wiring is needed.

Pick your size, choose your controller, add your options, and you’re ready to go.

Controller Options



Unico



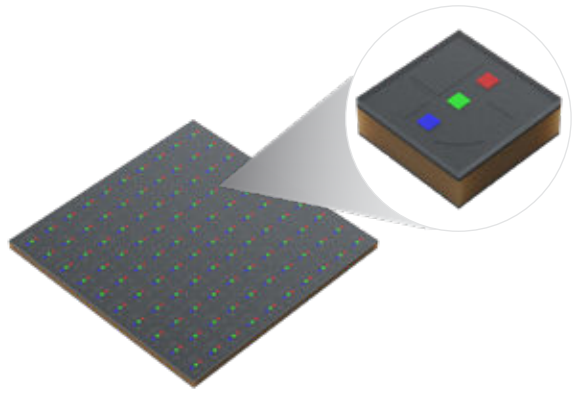
VMP



**ATS
PRO**

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.



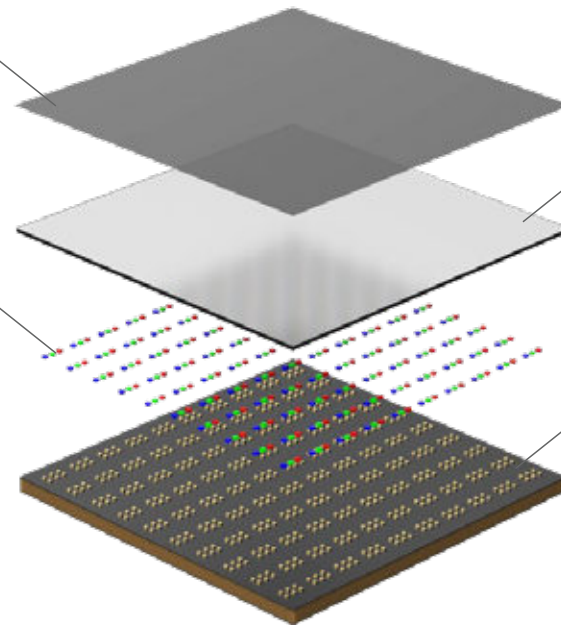
CORE PACKAGING TECHNOLOGY

Polymer Material
Black Coating

LED Chips

Compound
Encapsulation

PCB Circuit
Substrate



**ATS
PRO**



Hard Pin Connectors

Hard pin connectors for data
and power for easier
connection during installation.

**ATS
PRO**

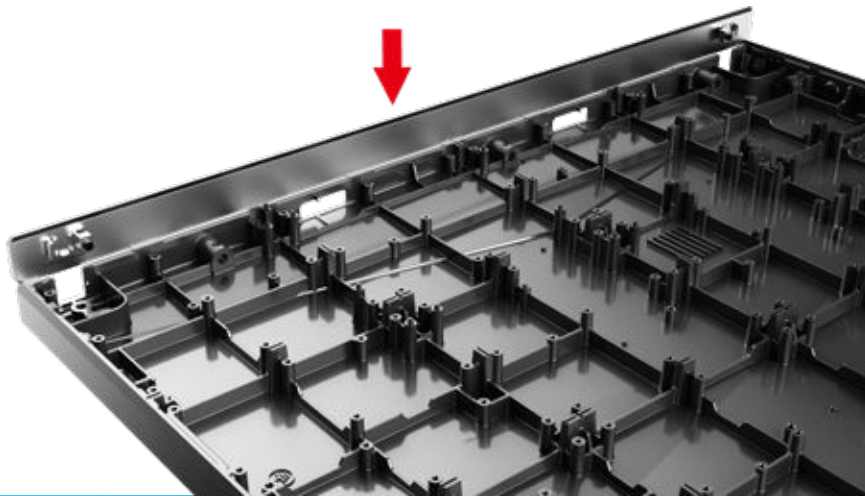


Snap-Lock Trim

Enhance the appearance of your LED display with the Snap-Lock Trim. Designed for fast installation and flexible adjustment, it delivers a clean, premium finish while adapting to different application styles.

Optional Material Finish: Customize the trim with a selection of premium materials and finishes to complement your space, décor, and overall design aesthetic.

Install the trim in seconds by directly locking the trim onto each panel.



Rotate the knob to loosen or tighten the gap between the trim and the panel.



**ATS
PRO®**

Practical functions, applicable to a variety of scenarios

Smooth and Stable Wireless Screen Projection

Wireless screen projection, simple and convenient interaction.
8m away from the screen, latency $\leq 80\text{ms}$. 60 frames per second of wireless transmission, smooth and stable.



Multi-mode Effect

One-click eye protection, filters out 30% of harmful blue light, relieving long-time viewing fatigue. Preset standard, soft, theater and meeting mode, users can match the best display effect according to different scene requirements.



One-stop Meeting Experience

Rich interface, easy to achieve multiple peripheral integration.
Built-in meeting applications, whiteboard, office software, etc.



Floor Stand (optional)



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.



NOVASTAR TU Series Controllers

Engineered for demanding LED applications, the NOVASTAR TU Series combines an integrated Android system and sending card into a single, streamlined processor-delivering powerful playback, advanced control, and interactive capabilities for reliable, high-performance LED displays.



TU15

COMPACT PERFORMANCE

Compact all-in-one solution for small-to-medium LED displays.



2.6M

PIXEL LOADING



4X

RJ45 OUTPUTS

TU20

EXPANDED CONNECTIVITY

Expanded connectivity for larger LED installations.



3.9M

PIXEL LOADING



6X

RJ45 OUTPUTS

TU4K

MAXIMUM CAPABILITY

Flagship processing for large-format and high-resolution LED displays.



13M

PIXEL LOADING



20X

RJ45 OUTPUTS



Smart Playback Control via Mobile App

Manage program editing, scheduling, publishing, and screen control through the intuitive app. Interact with your screen in new ways and transform your content management experience.

Intelligent Remote Control

Manage your programming and broadcast in three steps using the remote control. The interface is as intuitive as operating your home smart TV.

Bluetooth Voice Control

Navigate and stream your content conveniently using voice commands.



Support for Installing Third-Party Apps

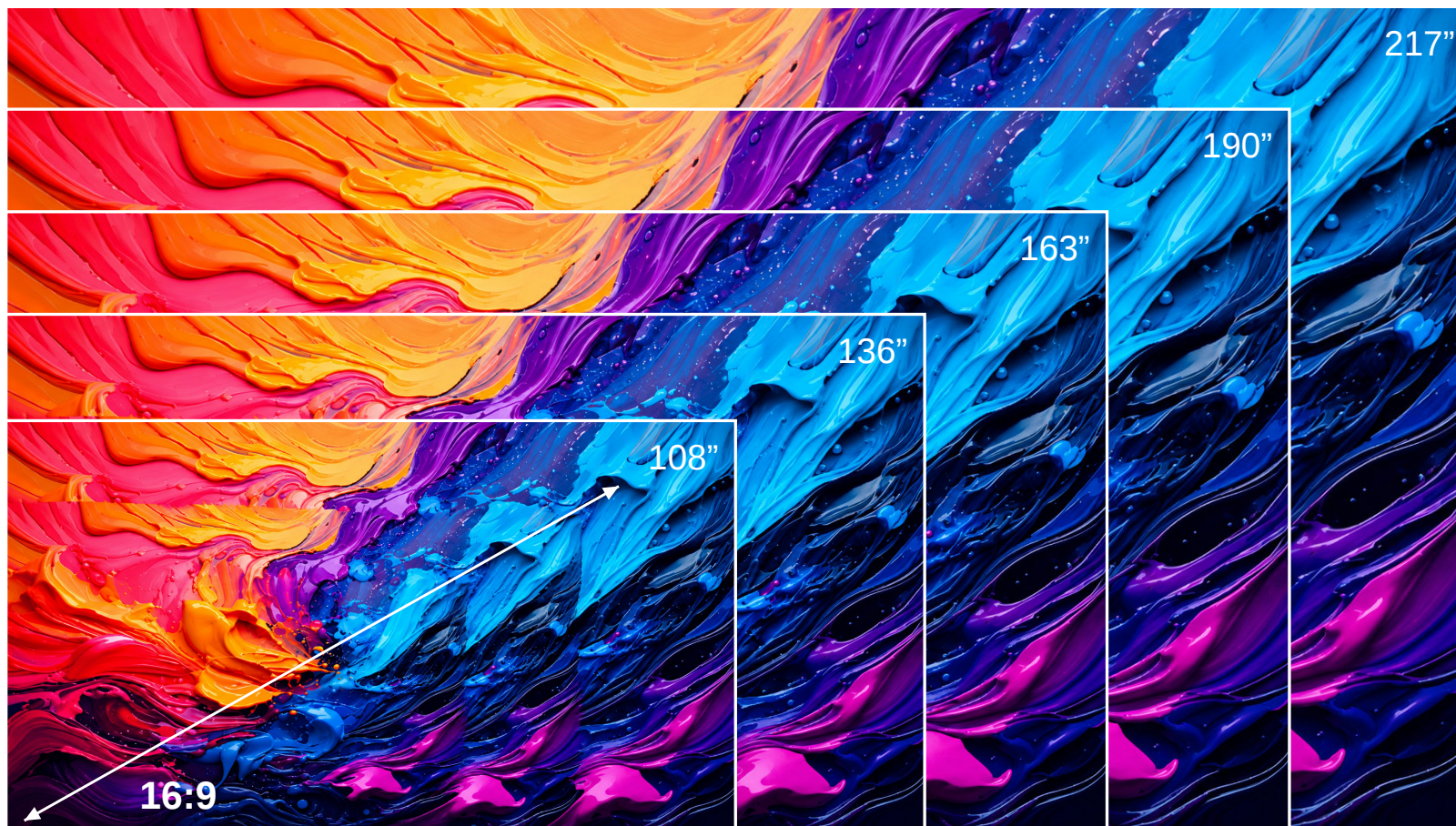
Install applications through an external device such as a USB flash drive.

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



Collaborate 16:9 Screen Size Options

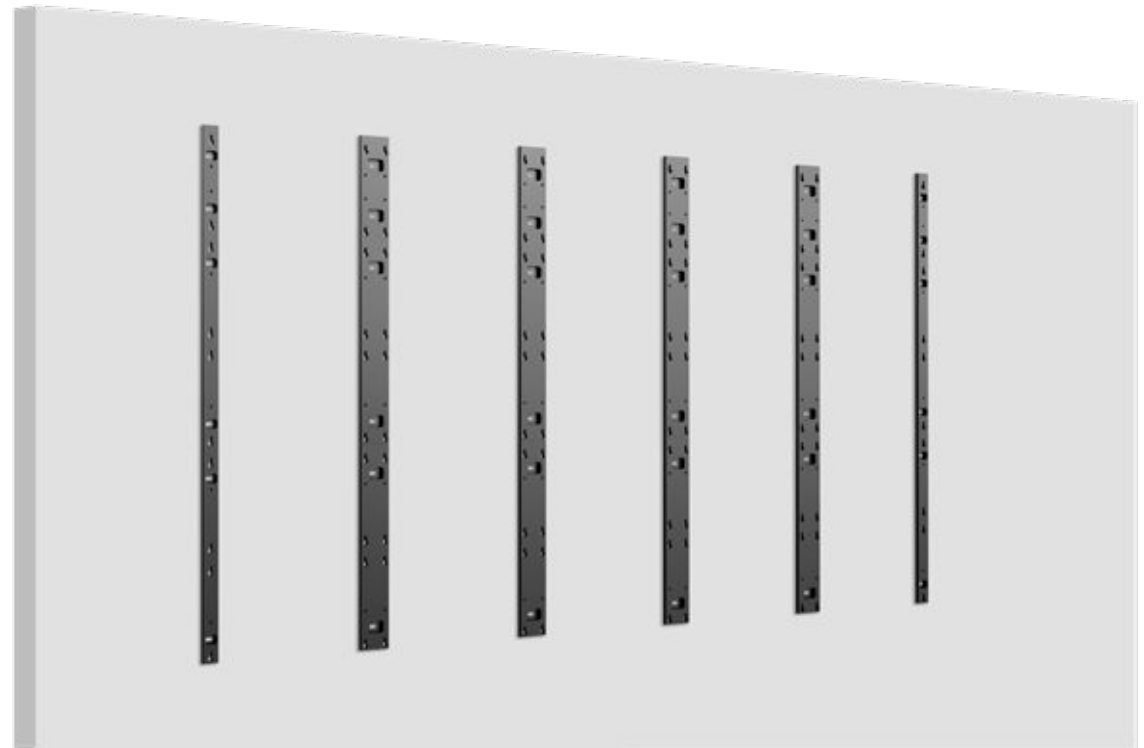
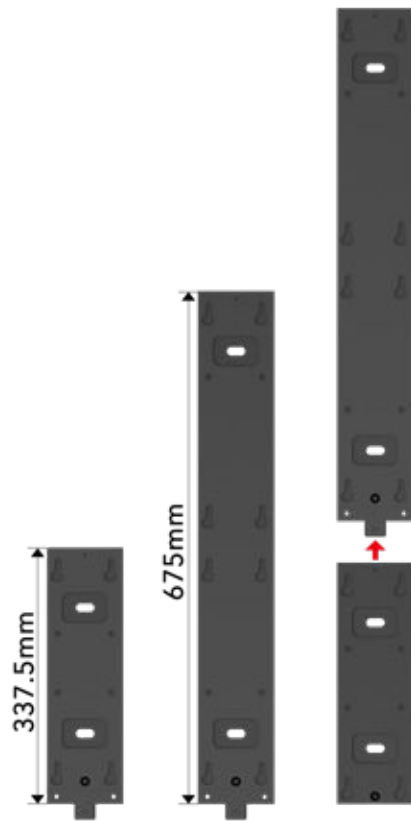
There are five screen sizes available with diagonal lengths of 108", 136", 163", 190", and 217".



Wall Mounting

Wall Mount System

Specifically designed wall mount system for Collaborate Series.
Brackets are modular designed and easily connect together.



**ATS
PRO®**

One Carton. Five Standard Sizes.

One standardized carton size streamlines shipping, storage and installation.



PACKAGING CONFIGURATION

Collaborate 108"		1 pallet
Collaborate 136"		2 pallets
Collaborate 163"		2 pallets
Collaborate 190"		3 pallets
Collaborate 217"		4 pallets

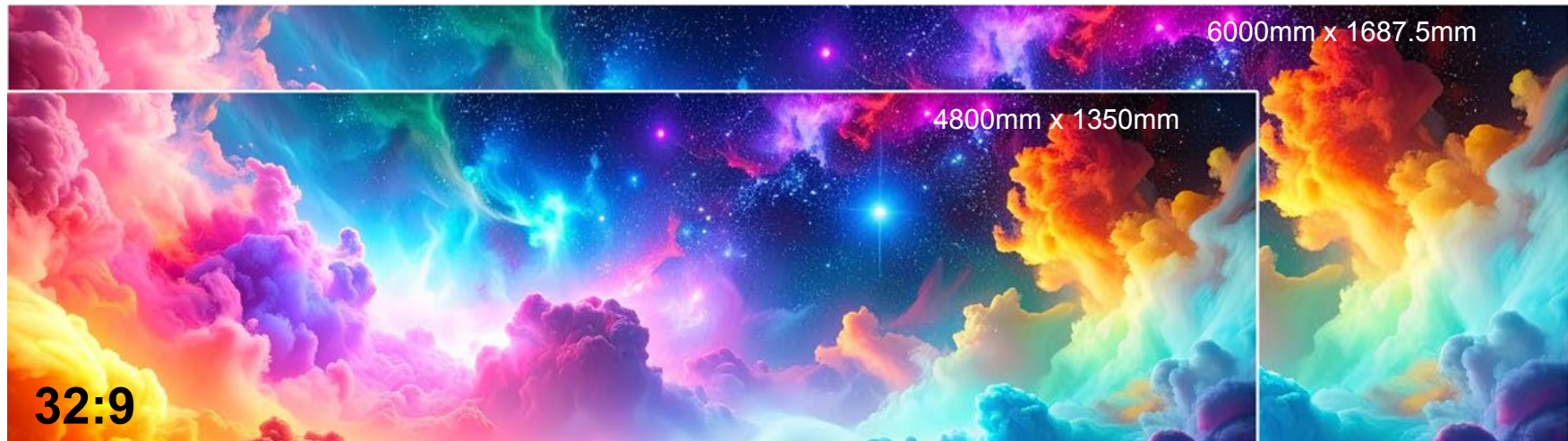
Note: Packaging is for standard wall mount configuration only.
Product specifications are subject to change without notice.

EVERY CARTON INCLUDES

- ✓ LED display panels
- ✓ Spare modules & spare parts
- ✓ Wall mount accessories
- ✓ Installation hardware

Collaborate 32:9 Screen Size Options

Available in 32:9 screen size options in 1.2mm and 1.5mm pixel pitches.



Optional Floor Stand

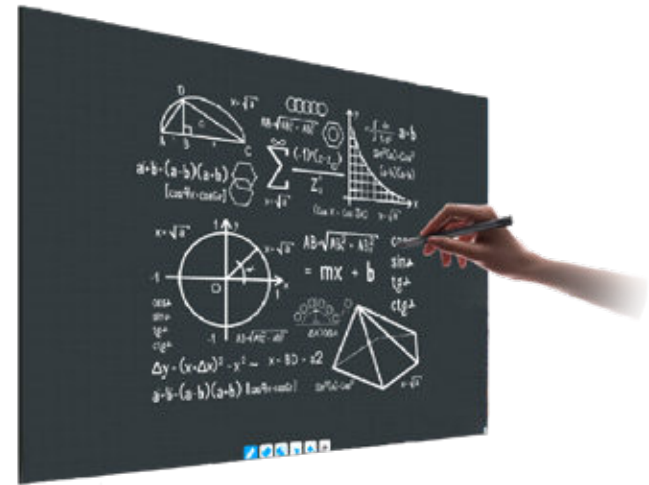
Floor Stand System

The optional floor stand provides a sleek, stable mounting solution that eliminates the need for wall installation. Designed for flexibility, it is easy to move and reconfigure, making it ideal for mobile presentations, trade shows, retail environments, or permanent installations where display placement may change over time.



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 PowerPoint presentation with ease.



The responsive touch interface delivers smooth, accurate performance, making collaboration more intuitive in meeting rooms, classrooms, and public spaces. Designed for reliability and ease of use, it transforms any display into a dynamic, interactive experience that encourages engagement and productivity.

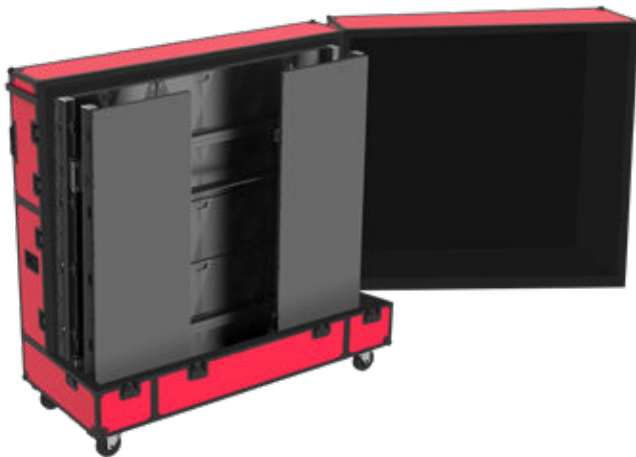
Collaborate Mobile Series Optional Foldable Unit

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.

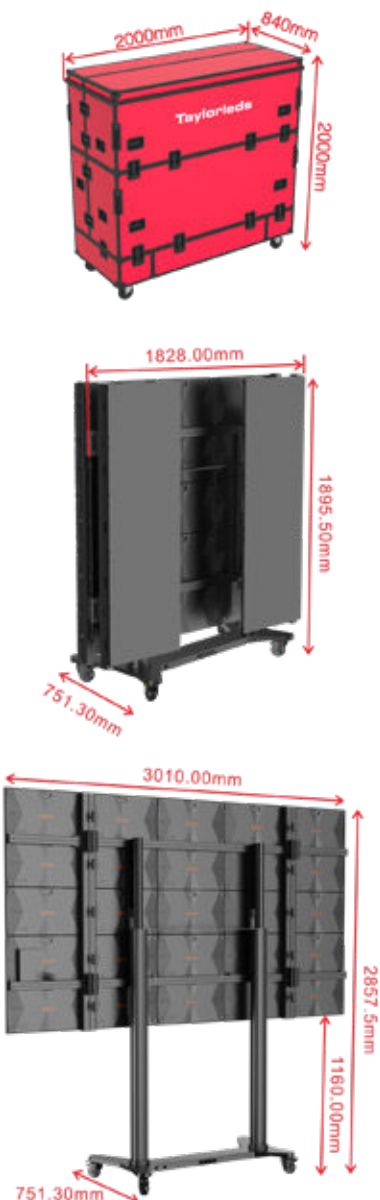
Each system includes an integrated media player and fits through most residential and commercial doors (case size up to 6'6" × 2'9" × 7'3"). It's a turnkey, professional LED solution — no extra labor, no AV crew, no downtime.



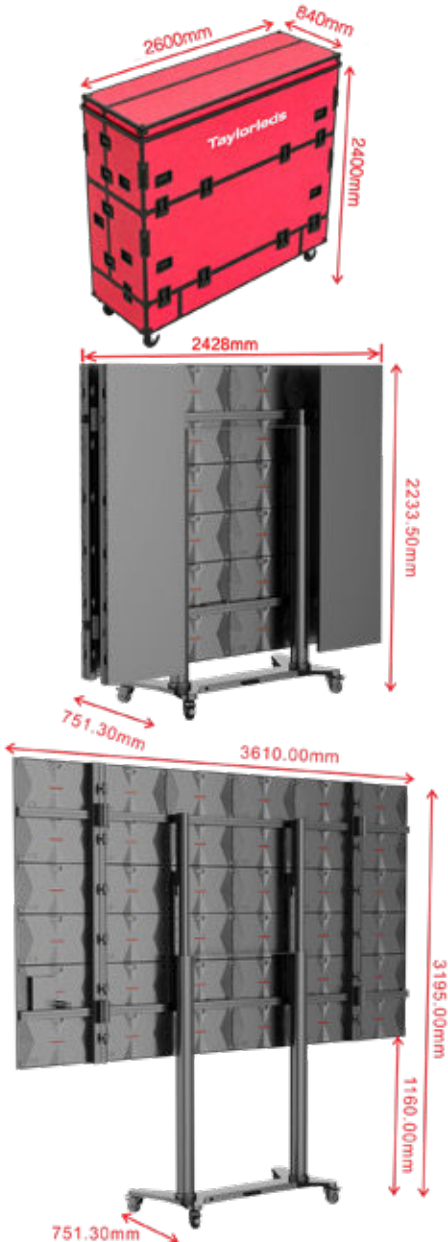
Collaborate Mobile 108"



Collaborate Mobile 136"



Collaborate Mobile 163"



Specifications

ATS-Pro Collaborate 16:9 Series.

Specifications	Collaborate 108 0.7mm	Collaborate 108 0.9mm	Collaborate 108 1.2 mm	Collaborate 108 1.5mm
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	0.7	0.9	1.25	1.5
Screen Dimensions (W*H)/(mm)	2400 x 1350	2400 x 1350	2400 x 1350	2400 x 1350
Screen Dimensions (W*H)/(ft)	7.87 x 4.43	7.87 x 4.43	7.87 x 4.43	7.87 x 4.43
Screen Resolution (dots)	3072 x 1728	2560 x 1440	1920 x 1080	1536 x 864
Brightness (nit)	800	800	800	800
Refresh Rate (Hz)	7680	7680	7680	7680
Gray Scale (bit)	14 Bit	14 Bit	14 Bit	14 Bit
Contrast Ratio	15,000:1	15,000:1	15,000:1	15,000:1
Viewing Angle	160/160	160/160	160/160	160/160
Power Consumption (Max./Avg.) (W/m ²)	440/146	400/133	350/117	336/112
Operating Voltage	110v ~ 240v	110v ~ 240v	110v ~ 240v	110v ~ 240v

Specifications	Collaborate 136 4K - 0.7mm	Collaborate 136 0.9mm	Collaborate 136 1.2 mm	Collaborate 136 1.5mm
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	0.7	0.9	1.25	1.5
Screen Dimensions (W*H)/(mm)	3000 x 1687.5	3000 x 1687.5	3000 x 1687.5	3000 x 1687.5
Screen Dimensions (W*H)/(ft)	9.84 x 5.54	9.84 x 5.54	9.84 x 5.54	9.84 x 5.54
Screen Resolution (dots)	3840 x 2160	3200 x 1800	2400 x 1350	1920 x 1080
Brightness (nit)	800	800	800	800
Refresh Rate (Hz)	7680	7680	7680	7680
Gray Scale (bit)	14 Bit	14 Bit	14 Bit	14 Bit
Contrast Ratio	15,000:1	15,000:1	15,000:1	15,000:1
Viewing Angle	160/160	160/160	160/160	160/160
Power Consumption (Max./Avg.) (W/m ²)	440/146	400/133	350/117	336/112
Operating Voltage	110v ~ 240v	110v ~ 240v	110v ~ 240v	110v ~ 240v



Specifications

ATS-Pro Collaborate 16:9 Series.

Specifications	Collaborate 163 4K - 0.9 mm	Collaborate 163 1.2 mm	Collaborate 163 1.5mm
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	0.9	1.25	1.5
Screen Dimensions (W*H)/(mm)	3600 x 2025	3600 x 2025	3600 x 2025
Screen Dimensions (W*H)/(ft)	11.8 x 6.64	11.8 x 6.64	11.8 x 6.64
Screen Resolution (dots)	3840 x 2160	2880 x 1620	2304 x 1296
Brightness (nit)	800	800	800
Refresh Rate (Hz)	7680	7680	7680
Gray Scale (bit)	14 Bit	14 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)	400/133	350/117	336/112
Operating Voltage	110v ~ 240v	110v ~ 240v	110v ~ 240v

Specifications	Collaborate 190 4K - 1.2 mm	Collaborate 190 1.5 mm	Collaborate 217 4K - 1.2 mm	Collaborate 217 1.5 mm
LED Type	Flip Chip COB	Flip Chip COB	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	1.2	1.5	1.2	1.5
Screen Dimensions (W*H)/(mm)	4200 x 2362.5	4200 x 2362.5	4800 x 2700	4800 x 2700
Screen Dimensions (W*H)/(ft)	13.78' x 7.75	13.78' x 7.75	15.75 x 8.86	15.75 x 8.86
Screen Resolution (dots)	3360 x 1890	2688 x 1512	3840 x 2160	3200 x 1080
Brightness (nit)	800	800	800	800
Refresh Rate (Hz)	7680	7680	7680	7680
Gray Scale (bit)	14 Bit	14 Bit	14 Bit	14 Bit
Contrast Ratio	15,000:1	15,000:1	15,000:1	15,000:1
Viewing Angle	160/160	160/160	160/160	160/160
Power Consumption (Max./Avg.) (W/m ²)	350/117	336/112	350/117	336/112
Operating Voltage	110v ~ 240v	110v ~ 240v	110v ~ 240v	110v ~ 240v



Specifications

Taylorleds Collaborate 32:9 Series.

Specifications	Collaborate 32:9 1.2	Collaborate 32:9 1.5
LED Type	Flip Chip COB	Flip Chip COB
Pixel Pitch (mm)	1.25	1.56
Screen Dimensions (W*H)/(mm)	4800 x 1350	6000 x 1687.5
Screen Dimensions (W*H)/(ft)	15.75 x 4.43	19.69 x 5.54
Screen Resolution (dots)	3840 x 1080	3840 x 1080
Brightness (nit)	800	800
Refresh Rate (Hz)	7680	7680
Gray Scale (bit)	14 Bit	13 Bit
Contrast Ratio	15,000:1	15,000:1
Viewing Angle	160/160	160/160
Power Consumption (Max./Avg.) (W/m ²)	350/117	336/112
Operating Voltage	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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