

Taylorleds

COLLABORATE SERIES

Powerful All in + One System

Right out of the box.
Ready to install.



STUNNING
VISUALS



SIMPLE
CONTROL



FLEXIBLE
INTEGRATION



RELIABLE
PERFORMANCE

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

ATS|PRO

EXPERIENCE INNOVATION REAL RESULTS

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,

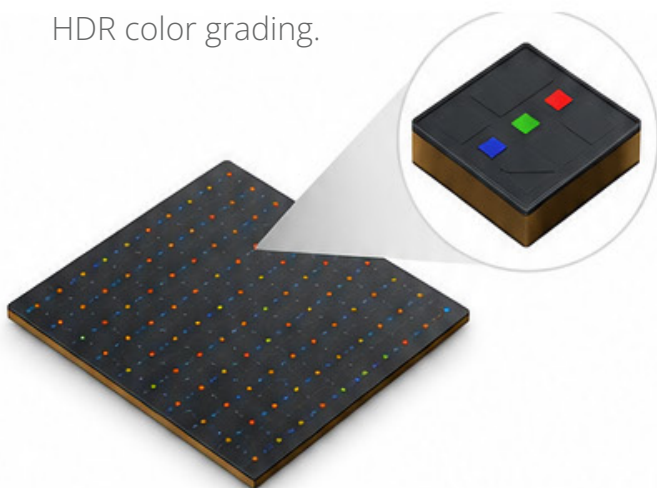
Chris Pelzan

Founder & CEO of 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.



INCREDIBLE DETAIL

Brings out fine details in both highlights and shadows.



TRUE-TO-LIFE COLORS

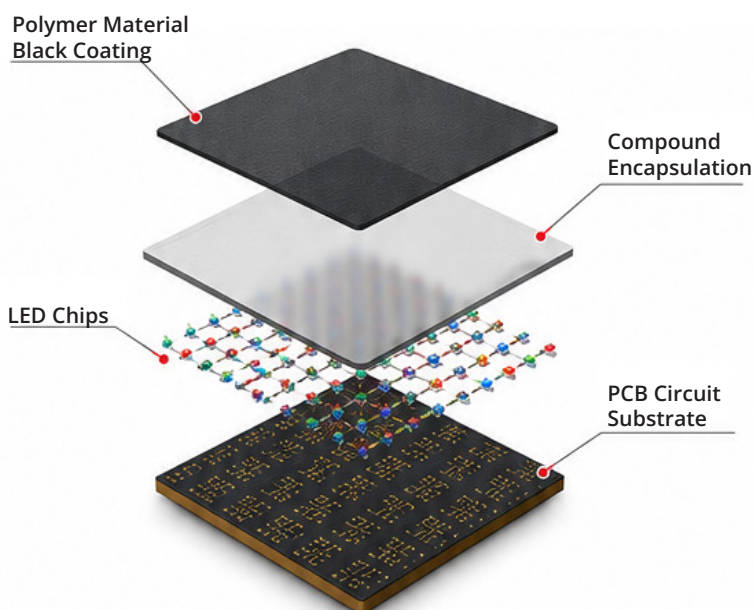
Vibrant, accurate color reproduction calibrated in the factory.



PRO REFERENCE MODES

Built-in HDR color grading modes for professional workflows.

CORE PACKAGING **TECHNOLOGY**



Hard Pin Connectors

Hard-pin connectors provide secure, tool-free connections for both power and data, making cabinet installation faster and easier. The keyed, locking design helps ensure proper alignment while reducing installation time and connection errors.



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.

1

FAST SNAP-IN INSTALL

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


2

ADJUSTABLE FIT

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



FAST SNSTALLATION

Snap-lock design for quick, tool-free setup.



PRECISE ALIGNMENT

Adjustable gap for a perfect, seamless finish.



PREMIUM FINISH

Clean, refined look that elevates any space.

Versatile by Design

A SMARTER WAY TO MEET,
SHARE AND COLLABORATE.



Smooth and Stable

Wireless screen projection, simple and convenient interaction. 8m away from the screen, latency <80ms, 60 frames per second of wireless transmission, smooth and stable.

Everything You Need in One Solution

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

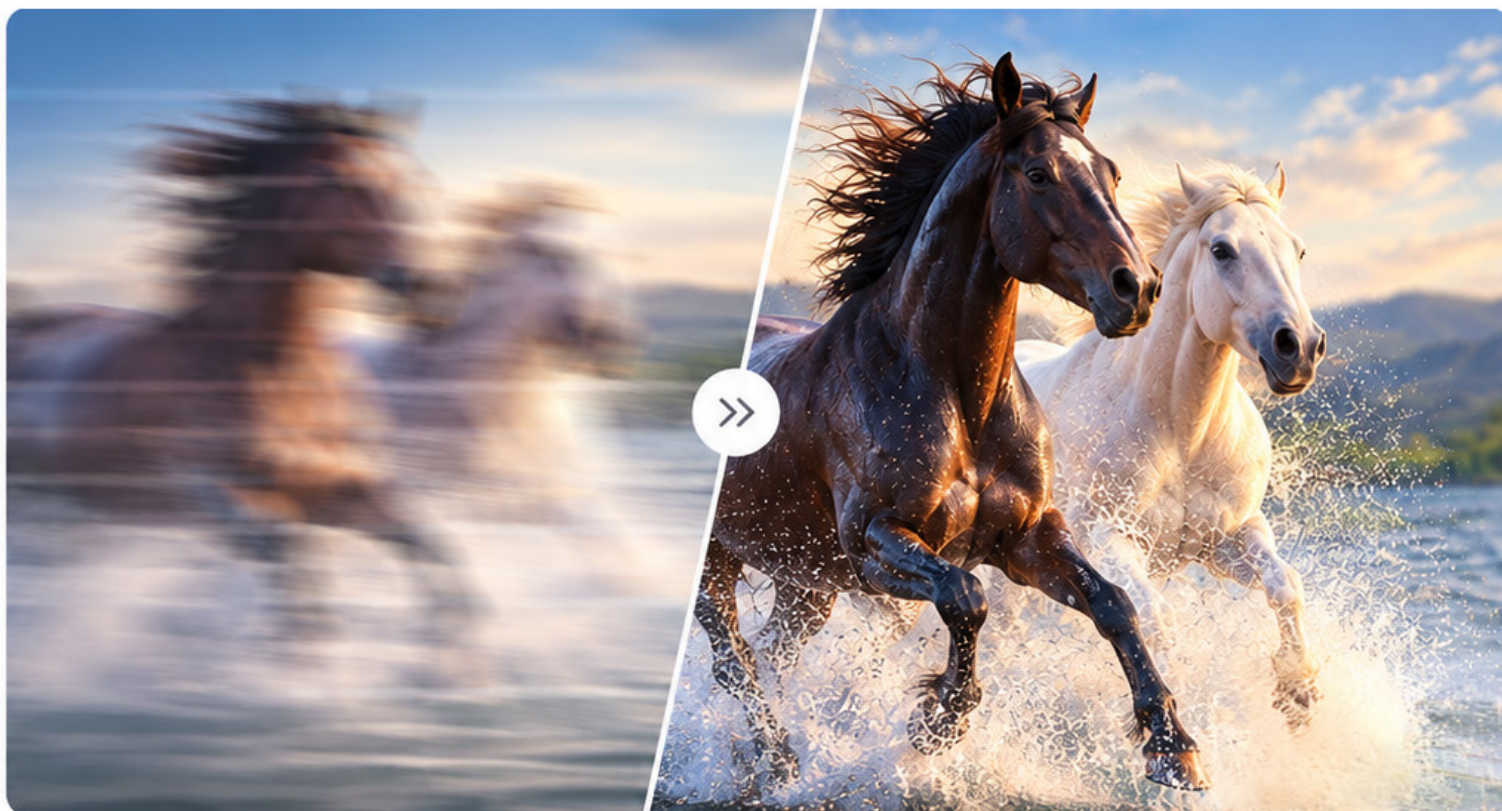


FLOOR STAND
(OPTIONAL)

SMOOTHER MOTION. GREATER IMPACT.

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.

**ELIMINATES
FLICKER**

Stable playback in
any environment.

**SMOOTH
PERFORMANCE**

Clear, natural motion
even in low grayscale.

**ADVANCED
TECHNOLOGY**

Powered by driver ICs,
PWM and PAM

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



INTEGRATED ANDROID SYSTEM

Built-in Android OS for a seamless, all-in-one experience.



POWERFUL PLAYBACK

Smooth, reliable playback for stunning visual performance.



ADVANCED CONTROL

Intuitive control with advanced features for any application.



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.

EXPAND WHAT'S POSSIBLE

Support for Installing Third-Party Apps

Install applications through an external device such as a USB flash drive.
Supports popular meeting applications, including Zoom and Microsoft Teams.



EASY INSTALLATION

Install apps via USB flash drive.



WIDE COMPATIBILITY

Supports popular meeting software and more.



FLEXIBLE USE

Customize your workflow and applications

SCALE YOUR SPACE

Collaborate 16:9 Screen Size Options

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



MOUNT. CONNECT. DISPLAY.

Wall Mounting

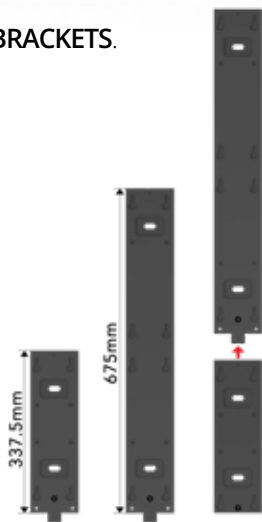
A wall-mount system specifically designed for the Collaborate Series. Brackets are modular designed and easily connect together.

**MODULAR DESIGN**

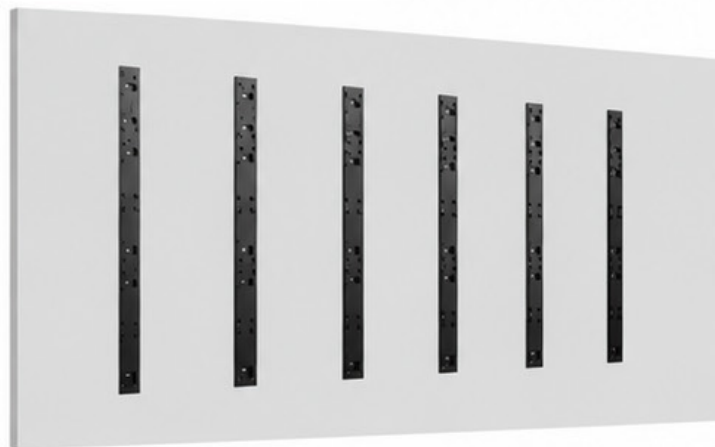
Brackets are modular designed and easily connect together.

**SECURE & RELIABLE**

Engineered for strength and long-term stability in any environment.

**MODULAR BRACKETS.**

Modular brackets are designed to connect easily.

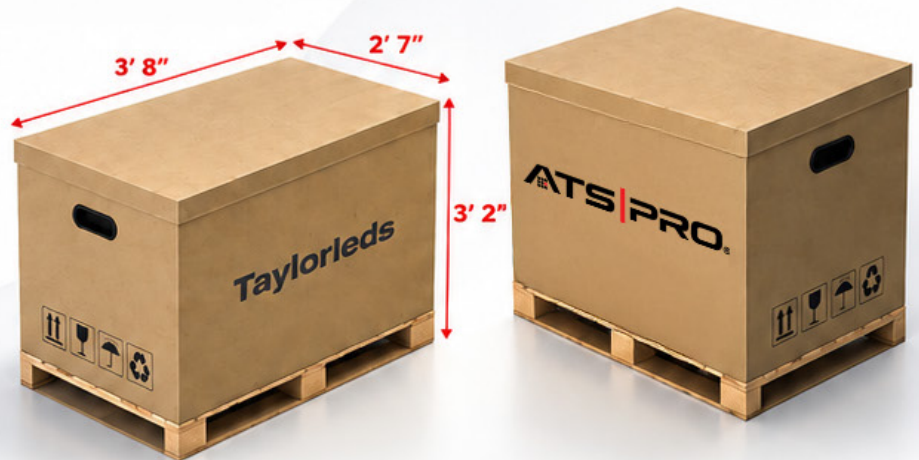
WALL INSTALLATION

Easily mount the brackets to the wall and secure your LED display.

PACKAGED FOR PERFORMANCE

One Carton. Five Standard Sizes.

One standardized carton size streamlines shipping, storage and installation.



PACKAGING CONFIGURATION

Collaborate
108"



Collaborate
136"



Collaborate
163"



Collaborate
190"



Collaborate
217"



EVERY CARTON INCLUDES



LED display panels



Spare modules & spare parts



Wall mount accessories



Installation hardware

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

ULTRA-WIDE IMPACT

Collaborate 32:9 Screen Size Options

32:9 screen size options are available in both 1.2mm and 1.5mm pixel pitches.



SIZE OPTION 1

4800mm x 1350mm

1.2mm

Pixel Pitch



SIZE OPTION 2

6000mm x 1687.5mm

1.5mm

Pixel Pitch

PORTABLE. STABLE. VERSATILE.

Optional Floor Stand

The optional floor stand provides a sleek, stable mounting solution that eliminates the need for wall installation. Designed for easy movement and reconfiguration, making it ideal for mobile presentations, trade shows, retail environments, or wherever display placement may change over time.

**EASY TO MOVE**

Built-in casters for quick repositioning.

**STABLE & SECURE**

Rugged construction for dependable support.

**FLEXIBLE USE**

Perfect for events, retail, or temporary installs.



INTERACTIVE SOLUTIONS

Optional Touch Screen

Supports a multipoint infrared touch system that enhances user engagement and interactivity. Sketch out your ideas, analyze data, 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 drives engagement and productivity.

FLEXIBLE. PORTABLE. POWERFUL.

Collaborate Mobile Series Optional Foldable Unit

Bring your LED wall anywhere.
No setup hassle required.

**TRUE PORTABILITY**

Move your Collaborate LED Wall between rooms or venues in minutes.

**FAST SETUP**

Roll in the case, unfold the panels, plug it in, and press a button — ready in under five minutes.

**TURNKEY SOLUTION**

Integrated media player, hydraulic lift and custom road case. No extra labor, no AV crew, no downtime.

**FITS THROUGH STANDARD DOORS**

Designed to fit through most residential and commercial doors.



SET UP IN MINUTES

1**ROLL IN**

Custom road case for safe and easy transport.

**2****UNFOLD**

Quick fold-out design with hydraulic lift.

**3****DISPLAY**

Plug in and start presenting in under five minutes.



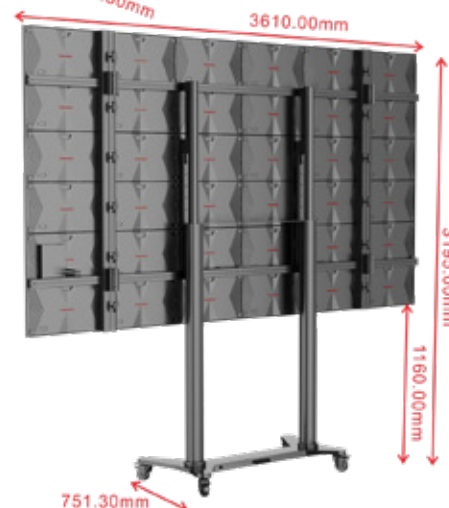
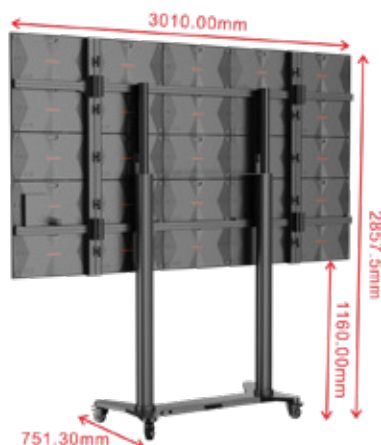
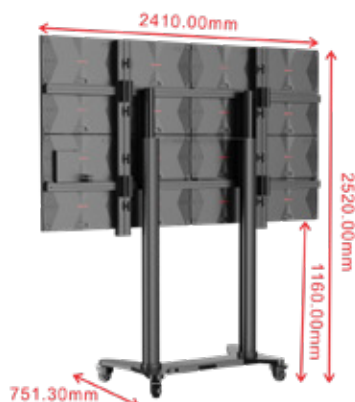
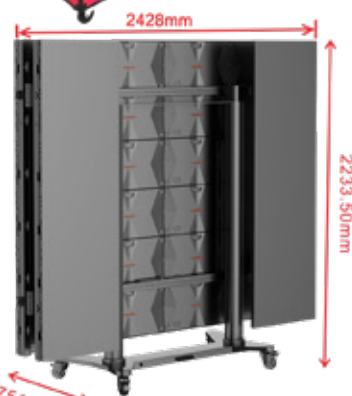
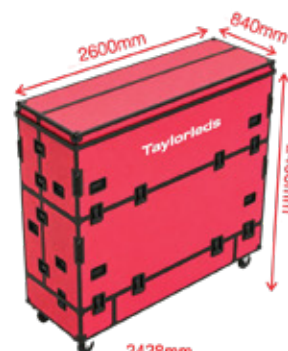
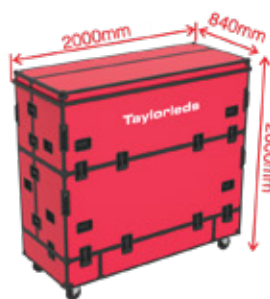
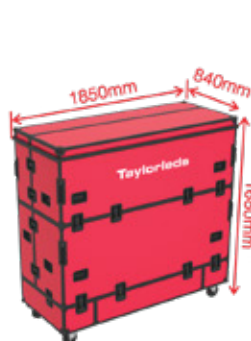
FLEXIBLE. PORTABLE. POWERFUL.

Collaborate Mobile Series System Dimensions

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 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	3072 x 1728
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

ATS-PRO 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



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