H SERIES

INDOOR FINE PIXEL PITCH
LED DISPLAY

YAHAM
Yaham Optoelectronics Co., Ltd

H2 Indoor high presicion Fine pixel pitch LED display

HD | High gray scale | Front access

Graphene-based | Wide viewing angle 160° | Super silent
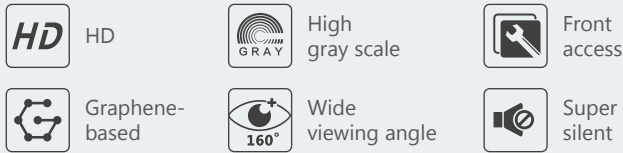
H2 - Specification

Item	YH-T1.27	YH-T1.58	YH-T1.9
Pixel pitch	1.27 mm	1.5875 mm	1.905 mm
Pixel density	620000 pixels/m²	396800 pixels/m²	275500 pixels/m²
Cabinet resolution	480×270	384×216	320×180
Cabinet dimension (W×H×D)	609.6×342.9×56 mm	609.6×342.9×56 mm	609.6×342.9×56 mm
Cabinet weight	9.5kg	9.5kg	10kg
Brightness	100-700nits	100-700nits	500-700nits
Contrast ratio	≥3000:1	≥3000:1	≥5000:1
Gray scale	≥16bit	≥16bit	≥16bit
Refresh rate	3600Hz	3600Hz	2000Hz
Scan method	1/30	1/32	1/30
Viewing angle	H:160 V:160	H:160 V:160	H:140 V:140
Max. Power consumption	550W/m²	550W/m²	550W/m²
Avg. Power consumption	165W/m²	165W/m²	165W/m²
Lifespan	100000 hrs	100000 hrs	100000 hrs
Access	Front	Front	Front
Ingress protection	IP30	IP30	IP30
Working temperature	-20℃ -65℃	-20℃ -65℃	-20℃ -65℃

H0 Indoor LED display

HD | Thin | Front/rear access

Remote control | Wide viewing angle 140° | Super silent
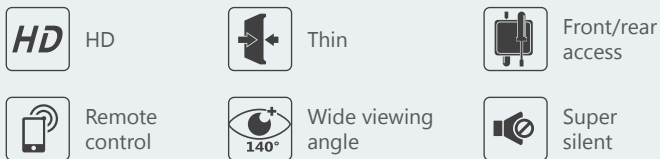
H0 - Specification

Item	YH-T1.875	YH-T2.5	YH-T3	YH-T4
Pixel pitch	1.875 mm	2.5 mm	3 mm	4 mm
Pixel density	284000 pixels/m²	160000 pixels/m²	111111 pixels/m²	62500 pixels/m²
Cabinet resolution	256×256	192×192	160×160	120×120
Cabinet dimension (W×H×D)	480×480×78 mm	480×480×78 mm	480×480×78 mm	480×480×78 mm
Cabinet weight	7.3kg	7.3kg	7.3kg	7.3kg
Brightness	300 ～ 700nits	300 ～ 1000nits	300 ～ 1000nits	300 ～ 1000nits
Contrast ratio	4000:1	4000:1	4000:1	4000:1
Gray scale	≥16bit	≥16bit	≥16bit	≥16bit
Refresh rate	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz
Scan method	1/32	1/24	1/20	1/15
Viewing angle	H140° V120°	H140° V120°	H140° V120°	H140° V120°
Max. Power consumption	600W/m²	600W/m²	600W/m²	600W/m²
Avg. Power consumption	180W/m²	180W/m²	180W/m²	180W/m²
Lifespan	100000 hrs	100000 hrs	100000 hrs	100000 hrs
Access	Front/rear access	Front/rear access	Front/rear access	Front/rear access
Ingress protection	IP40/30	IP40/30	IP40/30	IP40/30
Working temperature	-10℃ ~45℃	-10℃ ~45℃	-10℃ ~45℃	-10℃ ~45℃

Wide colour spectrum
Highly adjustable white balance

With advanced triple Trichromacy imaging technology the LED display has the ability to deliver more than 4 trillion colours, plus a highly adjustable colour temperature from 2500k to 10000k across the Yaham high density LED range.
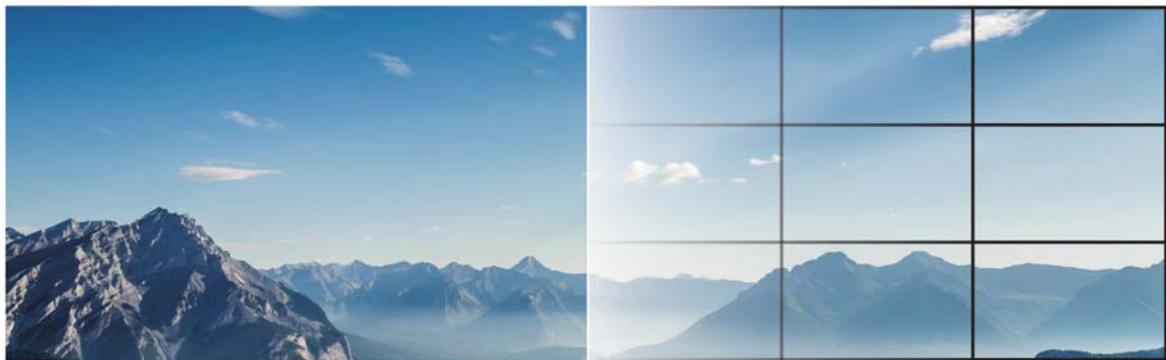
LED display   LCD display

Convertible to curved display with different angles
Seamless cabinet alignment

The beauty of the seamless high resolution LED display options ensures a more immersive visual experience and is now the perfect alternative to traditional LCD or DLP video walls, both of which have disruptive bezels impairing the full screen appearance. True curved or multi-faceted options available for a more dramatic result, or to align with the existing structural contours.

Low brightness, high grey scale
True-to-life image quality

With a gray scale up to 18 bit, H2 delivers true-to life image reproduction with every pixel performing perfectly and as intended.

GRAY **18**bit

UP

LEFT

RIGHT

DOWN

Wide viewing angle
160° wide visual experience

Yaham fine-pitch LED displays provide wider viewing angles and pixel-perfect imagery which is a real advance over the traditional LCD and DLP video walls.

160°

High refresh rate
Pixel perfection and
performance

Perfect image distribution and display to every Yaham high resolution LED seamless screen. Remove the Moire effect for flicker free filming and broadcasting with 3840Hz refresh rate and most suitable IC driver models.

Hz **3840**Hz

INDOOR
LED DISPLAY

EFFICIENCY · RELIABILITY · BEAUTY

Decade-long indoor LED display experience

As an industry pioneer of fine pixel pitch LED displays Yaham worked closely with the A-list Louis Vuitton brand back in 2005. Stringent guidelines and exacting standards through the design and manufacturing process resulted in stunning seamless LED installations guaranteed to broadcast for over 100,000 hours.

Graphene based multi-layer heat dissipation

The H2 LED range benefits from a graphene based cabinet with industry leading heat dissipation performance and with its energy-efficient IC the average working temperature is 8° lower than traditional displays.

16:9 aspect ratio high resolution LED cabinets

The Yaham H2 series 16:9 aspect ratio cabinets are perfect for creating full HD, 4k and 8k seamless video wall replacement configurations.

Accurate cabinet alignment, precise module assembly

In addition to the high precision engineering the H2 die-cast aluminium cabinets are designed to have a small degree of vertical and horizontal movement to ensure the ultimate alignment is achieved across the full seamless canvas.

Light and thin

Measuring 768mm wide, 432mm high and just 78mm deep the 11kg lightweight and slim H2 cabinets are easy to handle and install.

Front and rear accessibility, effortless service

Magnetically mounted modules and a user-friendly supplied access tool ensures that maintenance can be conducted efficiently and quickly. All components can be accessed from the front so ideal for surface mounted installations.

Whisper-quiet operation and energy efficient

Fanless design, energy efficient IC and low heat conduction delivers a super-silent LED display.

Dual-signal, dual-assurance

H2 benefits from a dual-signal input that can switch automatically should failure be detected - assuring reliability and peace of mind.

Smart module technology

Calibration data is pre-built in every module and is able to automatically apply, no manual calibration is required after replacement.

Concealed signal input, free electromagnetic interference

Calibration data is pre-built in every module and is able to automatically apply, no manual calibration is required after replacement.

More ways to install

Installation options to suit the environment including wall or surface mounted, suspended, ground stacked and bespoke mobile supports for conferencing and events applications.

APPLICATION

Video conference

Command center

TV broadcasting

Security monitor
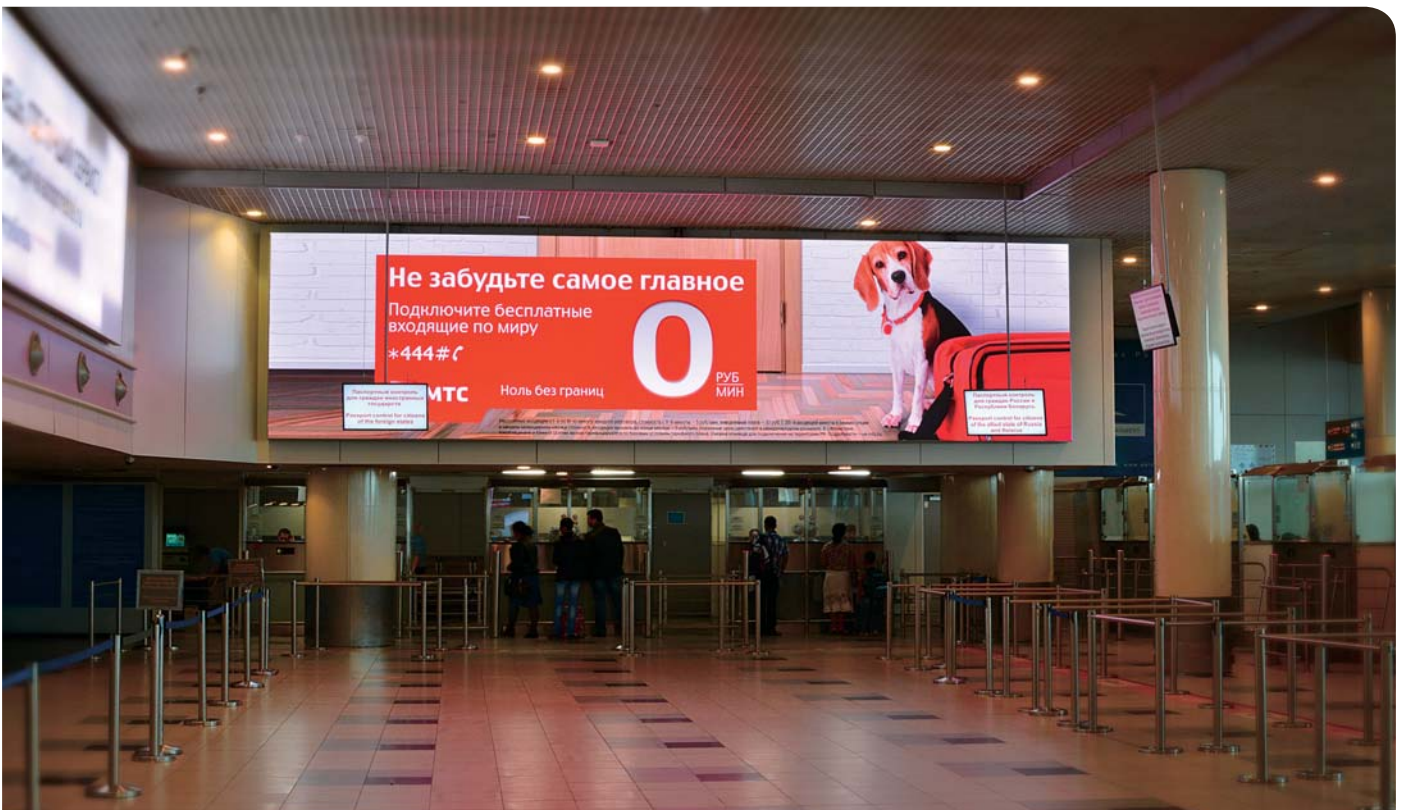
Exhibition

Public security

Smart city

- Mandaluyong City, Philippines

- Moscow-Sheremetyevo Intl Airport, Russia

HIGH-END LED DISPLAY SOLUTION PROVIDER

www.yaham.com

YAHAM

ISO 14001:2015 Environmental Management   ISO 9001:2015 Quality Management   CE   FC   RoHS   ETL Intertek   UL