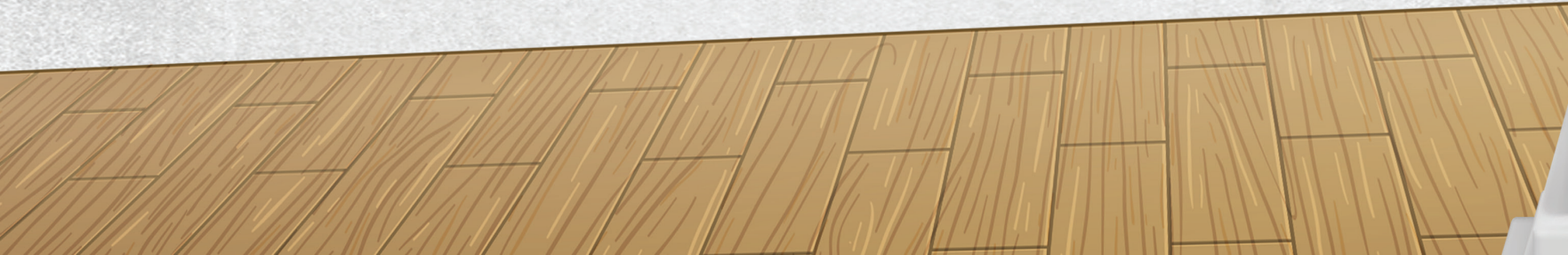




I N S P I R E D B Y I N N O V A T I O N



هواي تک تریدینف اند سیر فیسس ذ.م.م
HAWAII TECH TRADING & SERVICES W.L.L



SIGMA SERIES

The indoor fixed LED display is such a display that it is immovable, fastened. And it fixed at a particular place in such a position that it cannot move on its own. These LED displays are also a great source of advertisement using indoor as well as outdoor applications.



SIGMA SERIES

Customised Wall Mound Cabinet

SG1 | SG2 | SG2.5 | SG3 | SG4

Magnetic Front
Maintenance

Versatility

Good Value Of Money

Highly Durable

Safe Installation And Maintenance



Thin And Light Panel

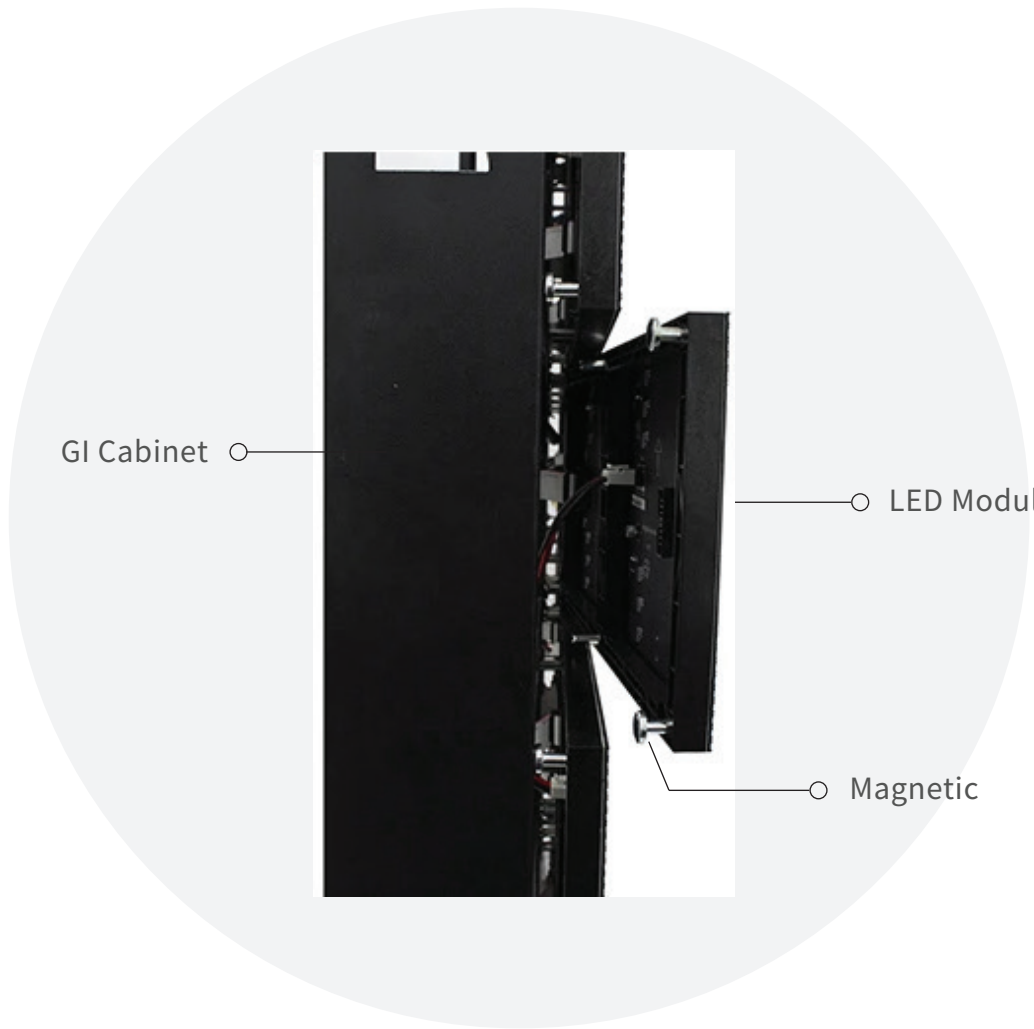
Better Visibility

Seamless Connection

Flexibility Size

Easy Maintenance





SIGMA

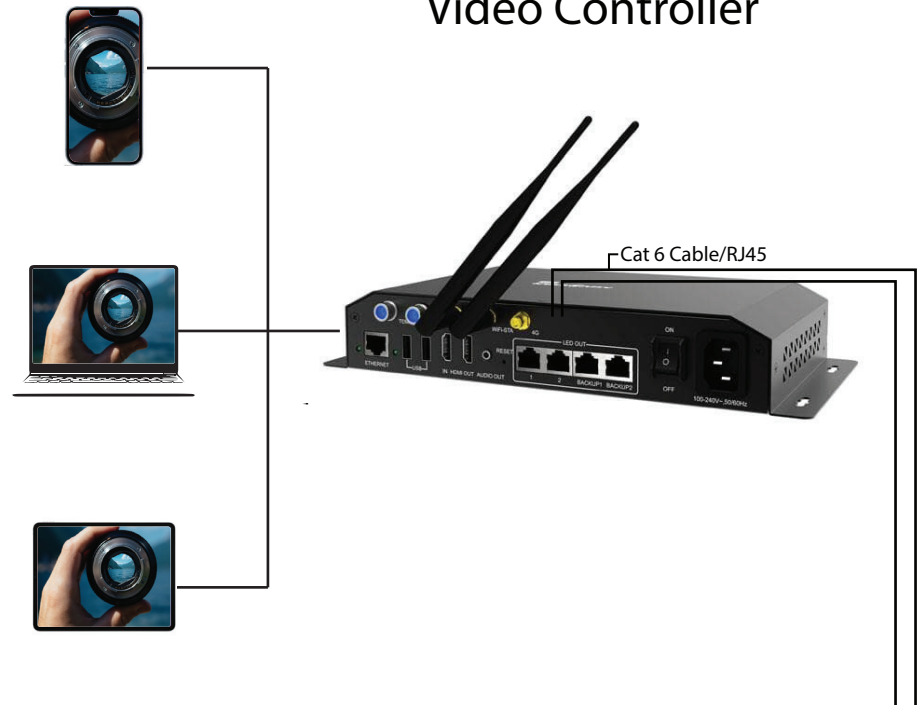
| | |
|--------------|-----------------------------|
| Models | : SG1, SG2, SG2.5, SG3, SG4 |
| Pixels | : P1.86, P2, P2.5, P3, P4 |
| Cabinet Size | : CUSTOMIZABLE |
| LED Type | : SMD |
| Material | : MILD STEEL CABNET |
| Weight | : 12 KG/SQM |
| Warranty | : 2 Years |

Features

- › Indoor prime series module
- › PWM driver IC, 4K refresh rate, no waterless ripple.
- › The kit is made of high-grade raw materials, with good toughness and not easy to be deformed.
- › LED lamp is well split and have good brightness uniformity.
- › Mechanical engineering design of reinforcing ribs to ensure product flatness..



Video Controller



Easy intelligent control of displays

Taurus Series Multimedia Player is widely used in advertising, digital signage, and other commercial applications. Taurus is also effectively used in Smart Cities for pole screens, scientific community displays, colored public transportation displays, and more.

Safe and stable for worry-free operation

- › Designed with safety in mind to keep troubles far away
- › Automatically connects to optimal signal, no longer a need to worry about signal loss
- › Comprehensive record of daily logs with full status monitoring
- › Real-time watchdog monitoring with automatic error correction
- › Receiving card cascading and redundant backup for multiple levels of protection

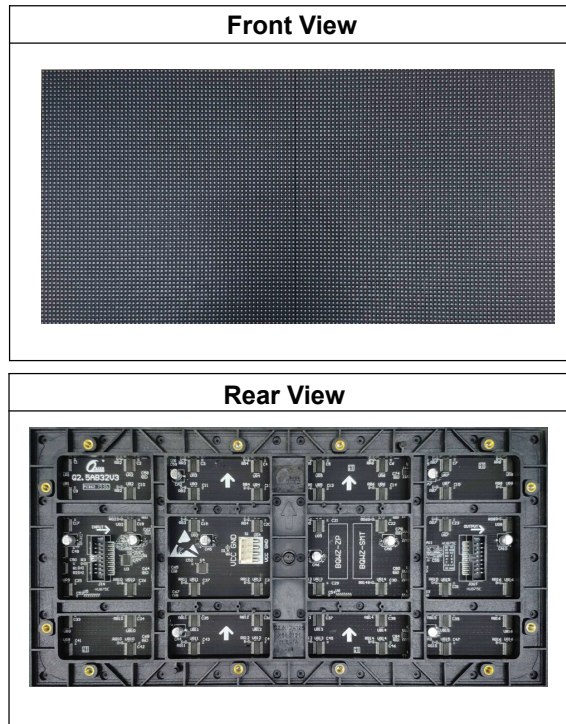
LED Screen



Technical Specification

Screen technical parameters

Module's Pictures



Remarks: The driver chip uses the SSOP package constant current driver chip;

| | | | |
|---|---|---------------------------------|---|
| Brightness | $\leq 1000 \text{ cd/m}^2$ | Brightness Uniformity | > 0.95 |
| Horizontal Viewing Angle | 140 ± 10 degree | Vertical Viewing Angle | 130 ± 10 degree |
| Best Viewing Distance | $\geq 2.5 \text{ m}$ | Environment | Indoor |
| Max Power Consumption | $\leq 457 \text{ W/m}^2$ | | |
| Power Consumption (Max Power Consumption per sqm $\div 78\% \div 85\%$) | | $\leq 689 \text{ W/m}^2$ | |
| Gray scale | 14-16bits (RGB each) | Display Color | 43980Billion |
| Frame Frequency | ≥ 60 frame/sec | Refresh Frequency | 3840Hz |
| Control Mode | Computer control, Point-to-point | Brightness Adjustment | 256-grade manual / automatic |
| input signal | DVI/VGA, video (multiple formats) RGBHV, composite video signal, S-VIDEO YpbPr (HDTV) | | |
| Life Span | $\geq 100,000$ hours | Average Failure Free Time | $\geq 10,000$ hours |
| Attenuation (3 years later) | $\leq 15\%$ | Continuous out of control point | 0 |
| Discrete Out of Control Point | < 0.0001 , 0 when leaving the factory | Blind spot rate | < 0.0003 , 0 when leaving the factory |
| Range of working temperature | $-20 \sim 40^\circ \text{C}$ | Working humidity range | 10 % -65 % RH(No condensation) |
| Protective Performance | Over temperature/overload/power down/image compensation/various correction technologies/overcurrent/overvoltage/lightning protection (optional) | | |



Module Specification

| | | | |
|---------------------------|-----------------------|----------------------|-------------------------------|
| Pixel Pitch | 2.5mm | Pixel Density | 160000Dots/m ² |
| Configuration | 1R1G1B | LED Lamp | SMD1515 |
| Size (Width*Height*Depth) | 320*160*15mm | Weight | 0.46kg±0.01kg |
| Structure | Lamp & IC in same PCB | Resolution | 128*64=8192Dots |
| Input Voltage (DC) | 4.5±0.1V | Maximum Current | ≤5.2A |
| Module's power | ≤24W | Driving Method | Constant Current 1/32 Scan |
| 40A Power Supply for | 5-6 pcs module | 50A Power Supply for | 6-7 pcs module |
| 40A PFC Power Supply for | 6-7 pcs module | 80A Power Supply for | 10-12 pcs module |

Product description

The indoor full-color display has a clearer and more delicate effect, and the resolution can reach above 1080P; achieves high refresh rate, high grayscale and higher lamp utilization; no residual image, anti-"caterpillar", low power consumption, low Surge and other functions;

The indoor full-color display is mainly composed of a red LED chip, a green LED chip and a blue LED chip packaged into a matrix of pixels, and then fixed to a plastic package;

The indoor full-color display contains a driver chip and an input buffer chip, which can display video, image and text information when connected to the LED display control system;

Through the system control to drive the red LED, green LED and blue LED driver chips, 4,398 billion color conversions can be formed;

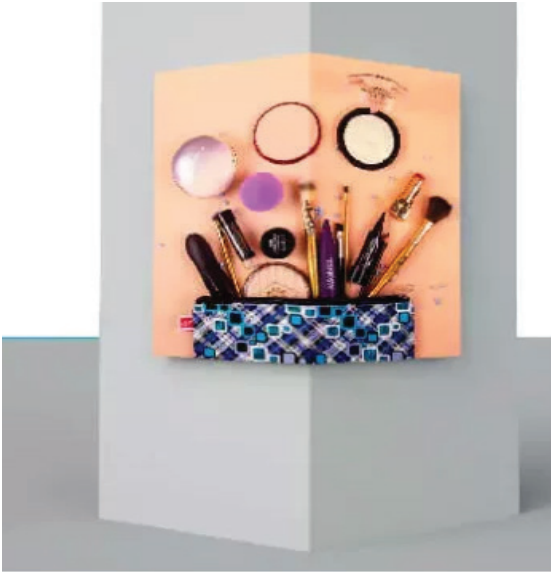
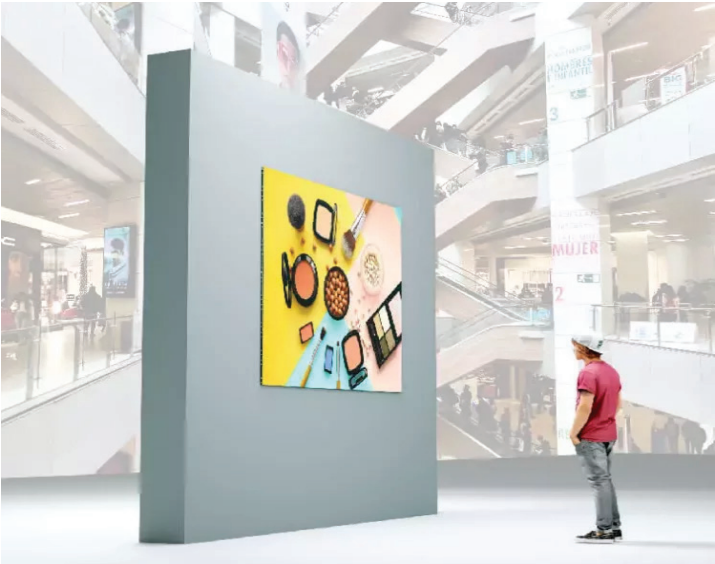
The unit board and the box body can be spliced arbitrarily in the horizontal and vertical directions to form different sizes of display screens;

Product features:

- High-quality lamp tube, high-efficiency lamp brightness utilization rate, while guaranteeing lamp tube service life and high-quality plastic parts
- High contrast can achieve good display effect
- The weight is easy to install and disassemble
- Single point and single lamp maintenance can be carried out, with low cost drive LED with constant current, uniform light emission and low power consumption.



Sigma Series Applications



CASE STUDY INDOOR

Indoor LED screens ensures the vibrant ambiance and attracts audience attention, thus increasing the potential of branding. Hawaii has in-line products to suits each requirements of the indoor applications.



Flowers Channel



Seawood Mall, Mumbai



Police Academy, Kerala, India



Bannari Amman Institute of Technology



India's 1st Virtual Production Screen



Qatar Sports



Wrap Vibes



Defacto, Ezzdan Mall, Qatar



MAJOR CLIENTS





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