



OOH HD LED Series

OUTDOOR FIXED INSTALLATION DIRECT VIEW HD LED DISPLAY



IP 66 Front / Back

2021 ATS-PRO OOH HD OUTDOOR LED SERIES

2021 ATS-PROFESSIONAL OOH **HD** OUTDOOR LED SERIES

Fixed install Outdoor Small Pixel Pitch

The finest built Direct View LED Wall Systems

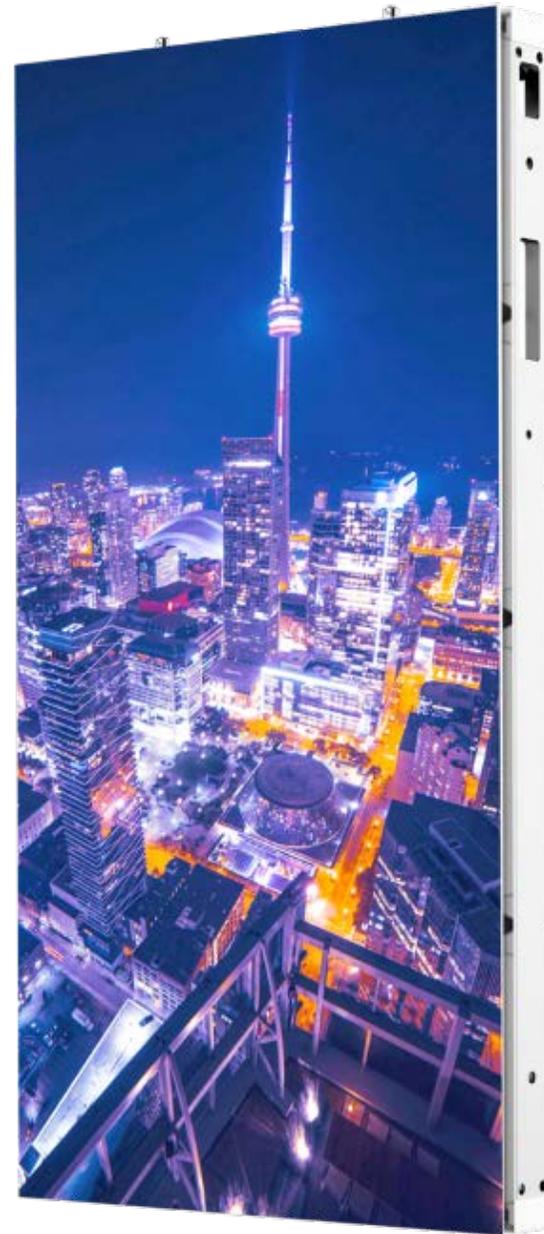
For more than 15 years the staff at ATS-Professional has designed and built some of the most iconic indoor and outdoor LED systems throughout the world with Pixel ranges from .83mm to 4mm in all sorts of sizes and shapes.

ATS-Professional is a direct designer and importer of OEM LED Panel designs. Our LED products are manufactured for ATS by some of the largest LED factories in the world.

We choose OEM factories based on the requirements of the project and each factory's unique capabilities to provide the finest solution for our customers based on our Engineering Build Requirements and Design.

With decades of experience dealing in OEM manufacturing and our Un-matched internal Design and Engineering, ATS-Professional introduces our newest and most advanced line of indoor LED systems.

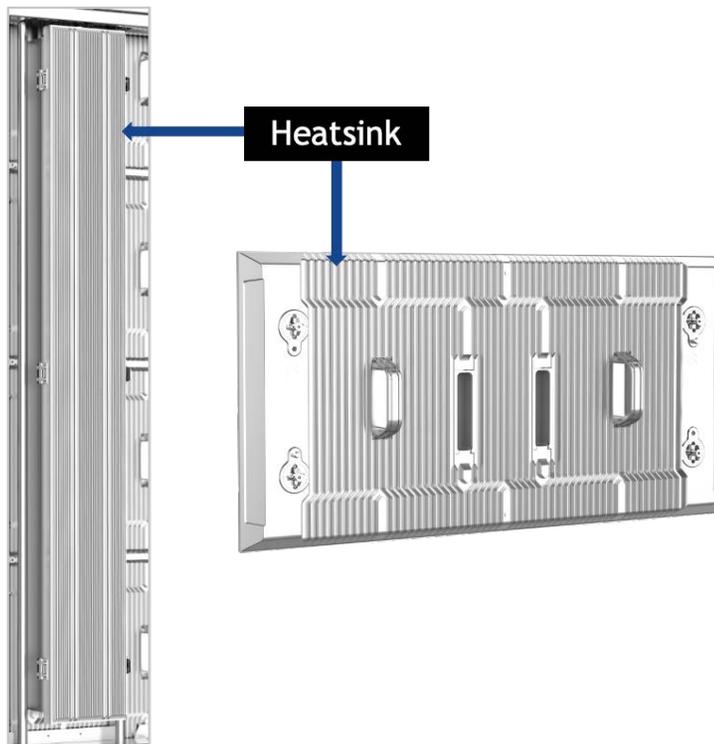
Every facet of the Design has been meticulously thought out. Mechanical Design, Visual Electronics, Installation, Reliability, Service and Support, Multiple Resolutions and Media Playback Systems to fit any budget.

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Features

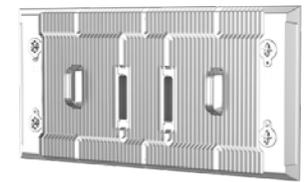
Exceptional Engineering - Heat Dissipation

Aluminum module chassis and panel frame accelerates heat dissipation. Module and Power supply increase heat loss area with heatsink, so as to achieve the best cooling effect. OOH HD Metal material up to 90%. Does not contains Any Plastic.



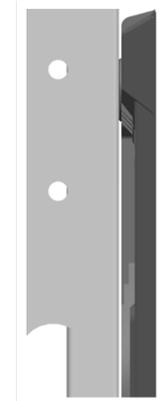
Die-casting Aluminum

Aluminum module chassis. IC and PCB hidden design, directly heat transfer with the module chassis, achieves the best effect of heat dissipation.



Ventilation

Heat dissipation gap between the module and the cabinet, better heat dissipation effect.



Apperance

All white cabinet. The heat absorption can be minimized under direct sunlight.

Features

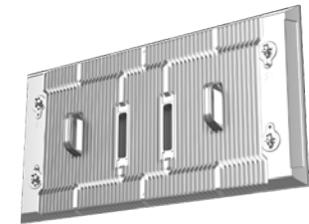
Protective Performance

- Excellent flame rating
- Die-casting Aluminum material
- high temperature durability
- Corrosion protection
- Reach 5VB fireproofing level
- Protection Level from high to low in UL94:
- 5VB>V0>V1>V2>HB



Water-proof Technology

- Protecting Rating (front and rear): IP66
- Full waterproof
- Full-sealed design
- Die-casting aluminum module chassis
- Water proof connectors(between modules)
- IP66: the high standard of Waterproofing



Features

High and low temperature test

- OOH HD can still operate after three days of testing from -30 ° C to +60 ° C.
- Strong cold resistance and anti-corrosion



Recycling and reliable

- Die-casting aluminum chassis, recycle rate reach 90%
- Long lifetime.
- Good heat dissipation performance.

High Brightness



- Copper wire: 5000nits
- Gold wire: 6500nits
- To achieve a certain viewing distance, must be enough brightness to ensure visibility.
- Low pressure operation, reduces the power and guarantees the long lifetime of display screen.

Design Excellence

- Cable-less design
- Power and signal cables are hidden at the top of the panel
- Hard Pin Connection
- BTB connector replaces data and power cables, high stability.
- Support customized 90°screen
- Noise-free Aluminum PSU

Features continued

Novastar Video Processors

Novastar Video Processors enable multiple inputs, windows and layers, PIP Format Conversion and Scaling to all LED walls from 1080P up to 8K and beyond. Most LED Suppliers never think to add these important components, leaving their customers with an incomplete solution for most of their uses.



Novastar LED Processors and Graphics Cards

Novastar, is a global leading LED display solution provider, designing and developing LED display control solutions for a variety of market applications including entertainment, digital signage and rental.



Specifications

Specifications	OOH HD 2.9	OOH HD 3.9	OOH HD 4.8
Pixel Pitch (mm)	2.97	3.91	4.81
Pixel Density (dot/m2)	112896	65536	43264
LED sealing Type	SMD1515 (Refond copper)	SMD1921 (Nationstar copper)	SMD1921 (Nationstar copper)
Module Size (mm * mm)	250*250	500*250	500*250
Module Resolution (PX* PX)	84*84	128*64	108*52
Module Weight (kg)	1KG	1.75KG	1.75KG
Module Thickness	21.5mm	21.5mm	21.5mm
Drive Mode:	custant driving	custant driving	custant driving
(Deg) Horizontal Viewing Angle (Deg)	160	160	160
(Deg) Vertical Viewing Angle (Deg)	120	120	120
(nits) Brightness (cd/m2)	>4000	>5000	>5000
Grey Scale (bit)	>15bit	>15bit	>15bit
Refresh Rate (Hz)	>3840	>3840	>3840
Maximum Cabinet Power Consumption (W)	600W/M2	600W/M2	600W/M2
Average Cabinet Power Consumption (W)	180/M2	180/M2	180/M2
Cabinet Size (mm * mm)	500*500 / 500*750 / 500*1000	500*500 / 500*750 / 500*1000	500*500 / 500*750 / 500*1000
Cabinet Weight (Kg)	33KG/M2	33KG/M2	33KG/M2
Cabinet Thickness(mm)	77	77	77
(AC) Input Voltage (V)	AC110-220V		
Working Temperature (°C)	-20-60		
Waterproof Level	IP66/IP66		
Working Environment:	outdoor		
Installation Method	Front and rear		
Certificates:	EMC ,CE, ETL		