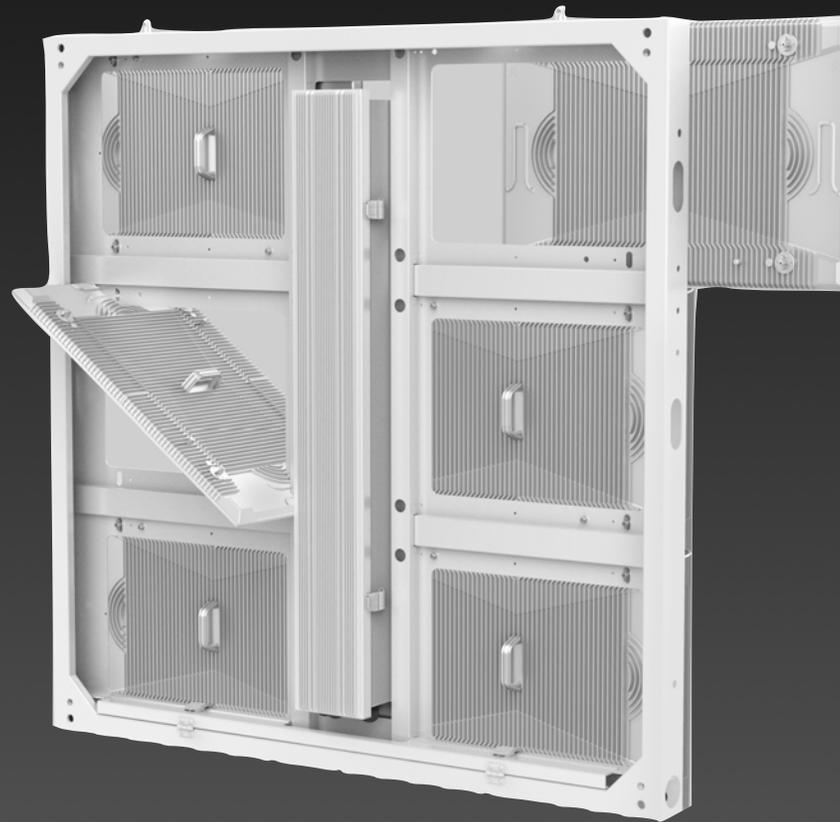# OOH LED Series

PORTABLE SELF CONTAINED DIRECT VIEW LED DISPLAY MONOLITH

ATS PRO™

2020 ATS-PROFESSIONAL OOH OUTDOOR LED SERIES

All Aluminum Module Design

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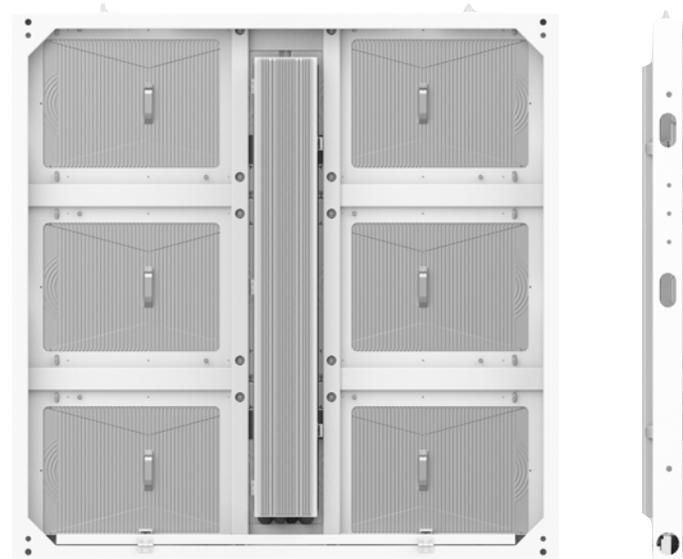
We choose OEM factories based on the requirements of the project and each factory's unique capabilities to provide the finest solution for our customers based on our Engineering Build Requirements and Design.

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.

We are very proud of latest versions of our Direct View LED Wall Systems for 2020.

Features

Exceptional Engineering - Heat Dissipation
Aluminum module chassis and panel frame accelerates heat dissipation.

Air convection design helps air circulation inside the panel and keeps the balance of the air pressure inside the PSU.

Heat sink design for module chassis and power supply unit improves heat dissipation considerably.

White color frame can reflect the sunlight to reduce the heat generated in the panel.
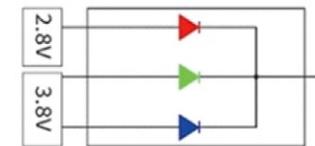
CCES Technology
CCES is abbreviate for Common Cathode Energy Saving technology.
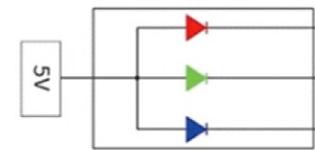
Benefits:

Accurate electricity distribution for RGB LED chips to save energy and lower the power consumption by more than 30%.

Less heat generated from electrical components prolongs the lifespan of the panel

With a lower temperature inside the panel, electrical components can work more stably to provide better video quality

Common Cathode Aluminum LED Display

Conventional LED Display

Features

Air Convection Design for PSU

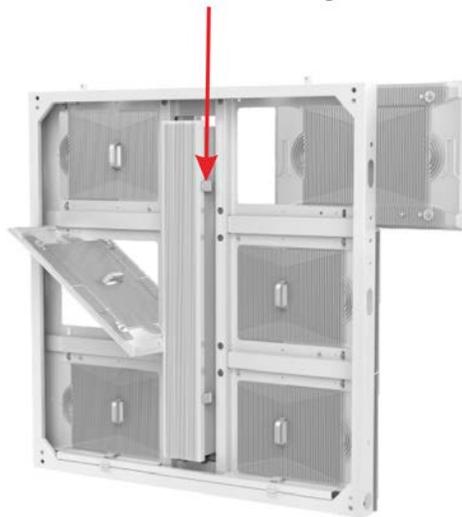Aluminum module chassis and panel frame accelerates heat dissipation.

Air convection design helps air circulation inside the panel and keeps the balance of the air pressure inside the PSU.

Heat sink design for module chassis and power supply unit improves heat dissipation considerably.

White color frame can reflect the sunlight to reduce the heat generated in the panel.

Two heat dissipation hole at each flank of PSU can maintain the air pressure balance in the PSU, reducing water liquefied from steam inside when ambient temperature drops.
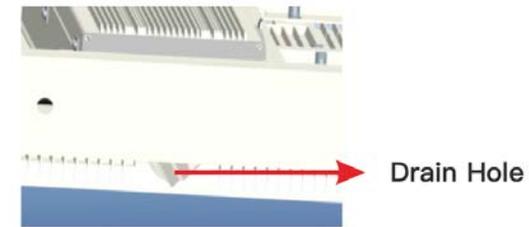

Air Convection Design

Water-proof Technology

Aluminum module chassis ensures the water proof ability of the module.

Water proof connectors are used for the hard connection between modules and panel frame.

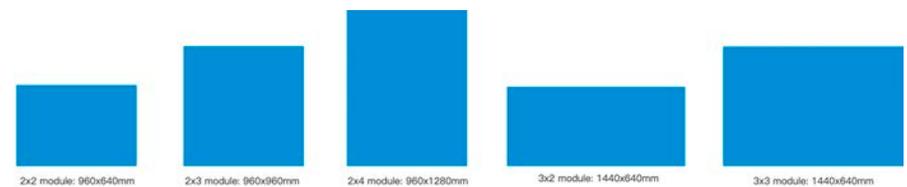Outdoor--rated power and data cables are covered at the bottom of the panel to provide stable transmission of electricity and data.

Drain hole is designed at the bottom of the panel to prevent ponding.

Drain Hole

Aluminum Panel Frame

Different frame sizes to fit any project.

2x2 module: 960x640mm   2x3 module: 960x960mm   2x4 module: 960x1280mm   3x2 module: 1440x640mm   3x3 module: 1440x640mm

Features continued

Sprolink Video Processors
Sprolink Video Processors enable multiple inputs, windows and layers, PIP Format Conversion and Scaling to all LED walls from 1080P up to 8K. 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 6	OOH 8	OOH 10
Pixel Pitch	6.67	8	10
Pixel Density	22500	15625	10000
LED Arrangement	SMD2727	SMD3535	SMD3535
Module Resolution	72*48	60*40	48*32
Module Dimension	480*320	480*320	480*320
Module Weight	2.3KG	2.3KG	2.3KG
Module Thickness	19.5mm	19.5mm	19.5mm
Grey Scale(bit)	14-16bit	14-16bit	14-16bit
Brightness Level	10000nits	10000nits	10000nits
Cabinet Size	960*1280/960*960/960*640 1440*1280/ 1440*960	960*1280/960*960/960*640 1440*1280/ 1440*960	960*1280/960*960/960*640 1440*1280/ 1440*960
Cabinet Weight(Kg)	24KG/m²	24KG/m²	24KG/m²
Cabinet Thickness(mm)	75mm	75mm	75mm
Max Power Consumption/m²	550w/m²	550w/m²	550w/m²
Ave Power Consumptionm²	200w/m²	200w/m²	200w/m²
Visual View Angle	180°/80°	180°/90°	180°/90°
Operating Power Source	AC110-220V	AC110-220V	AC110-220V
Operating Temperature	-80	-80	-80
Refresh Rate	3840Hz	3840Hz	3840Hz
Protecting Rating(front and rear)	IP68/IP67	IP68/IP67	IP68/IP67
Certificate	EMC CLASS B ,CE, ETL	EMC CLASS B ,CE, ETL	EMC CLASS B ,CE, ETL

Specifications subject to change. Please contact ATS-Professional for updated Specifications