

**ATS  
PRO™**

# OnBoard Series 16:9 Ratio

**COB** 16 X 9 ASPECT RATIO HD DIRECT VIEW LED WALLS



2020 ATS-PRO ONBOARD SERIES COB LED 16:9 RATIO

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# Forget SMD LED, COB has arrived

## 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.



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# Features

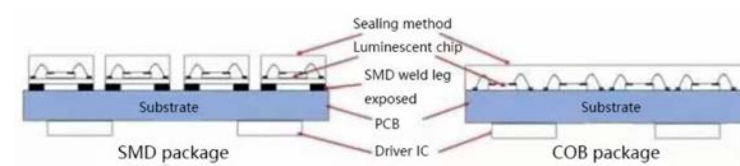
## COB Reliability vs. SMD

COB technology omits the SMD light emitting tube packaging process, color separation, braiding, patch and other technological processes, shortens the process path, and reduces the solder joints of LED (because the LED small spacing products packaged by SMD need SMT on PCB, calculated by P1.2mm, SMD small spacing products have more than 2 million more welding joints than COB products). This improves the reliability of the high resolution COB LED panels of almost 10 to 1.



## COB Reliability vs. SMD cont.

The integral filling and sealing of the COB product panel has the advantages of moisture resistance, anti-collision, no bare pins, anti-static breakdown, and improve the reliability of the use process. According to the data statistics, the average failure rate is one order of magnitude lower than that of SMD, which effectively improves the reliability and stability of SMD LED display screen.



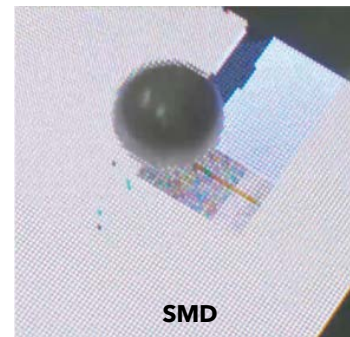
## Maintenance

Because the front of the COB screen is sealed and flat, routine cleaning with water is no problem as compared to standard SMD LED Screens, this could never be done.



## Anti-collision

Collision test SMD vs. COB 10Kg dropped from 1 meter. The COB Technology LED protects LED screens that are in close proximity to the public from damage intentional or otherwise.



# Features continued

### Gorgeous Image

The picture quality of COB LED is exceptional. You can now have the most reliable LED Wall at the highest resolution producing incurable contrast and color.



### Corner Angles Available

Panels are available with 45 degree corners to create cubes or corner wrap LED walls.



### 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	OnBoard 1.2	OnBoard 1.5	OnBoard 1.9
Pixel Pitch (mm)	1.26	1.58	1.9
LED Type	COB (Chip On Board)	COB (Chip On Board)	COB (Chip On Board)
Cabinet Size (WxHxD) mm	608 * 342 * 71	608 * 342 * 71	608 * 342 * 71
Panel Weight (KG)	7.2 KG	7.2 KG	7.2 KG
Module size(mm)	304 * 342	304 * 342	304 * 342
Panel Resolution	480*270	384*216	380*180
Module Connector	Hard Pin Connector, no ribbon cable eliminates 75% of LED wiring failures.	Hard Pin Connector, no ribbon cable eliminates 75% of LED wiring failures.	Hard Pin Connector, no ribbon cable eliminates 75% of LED wiring failures.
Certificates	CE ETL FCC RoHS	CE ETL FCC RoHS	CE ETL FCC RoHS
Input voltage ( V, Hz)	100v-240v	100v-240v	100v-240v
Viewing Angle (H/V) (°)	any degree from 0-90	any degree from 0-90	any degree from 0-90
Brightness	600	600	600
Refresh Rate	≥3960 Hz	≥3180 Hz	≥3900 Hz
Bit	14	14 bit	14 bit

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