

AOTO 1.5CLD MINI LED

The patented Mini LED technology with 2nd generation of CLD P1.5mm product characterizes itself by an extremely high contrast ratio, super robust and its 180° viewing angle, which will impress and seduce the automotive sector and the high-end corporate market.

Key advantages:

- 40% smaller LED chips
- patented 4in1 packaging
- 180° Viewing angle
- large color gamut
- highest uniformity
- 24bit Processing
- HDR Support
- 16:9 Cabinet



MiniLEDs:

This unique technology enables the LED to have a deeper black, with stunning 40% smaller LEDs compared to a 0808SMD LED 100um, it's resulting in a greater "black" area.

Contrast & Black Levels:

Each single chip surface is applied with a nano spray technology to achieve higher contrasts (deeper blacks), greater uniformity and larger color gamut compared to classic COB technology. Also it achieves unrivaled 180° viewing angle!

COB Comparison & Advantages:

Each 4in1 chip can be binned same as SMD LEDs. This is a huge advantage over COB LED technology, as those get applied in large quantity, prior to binning, which results in lower color consistency.

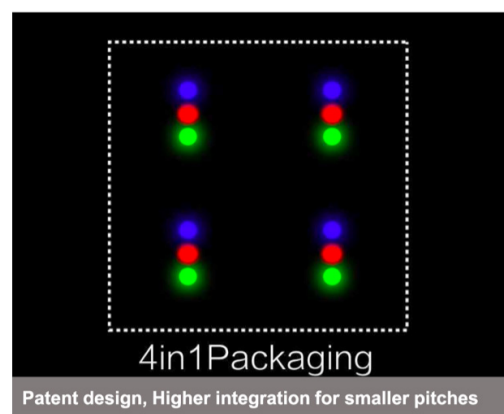
Servicability:

The 4in1 packaging results in much "stronger" chip, and lower maintenance costs. Each 4in1 pixel can be swapped individually, similar to a SMD LED.

Processing:

Equipped with HDMI2.0 and 1.4, its supports up 4Kx2K @60Hz 4:4:4 or 4:2:2, with up to 24bit color depth and HDR. Direct multimode fiber outputs go out to the screen, where signal gets converted to RJ45 to keep highest quality and flexibility. Optional input cards can be used for 3G-SDI.

Full redundant Backup via a second processor can be done.



The Four-in-one module LED design is a patented technology of AOTO. Patents have been obtained from the US, Europe, Japan and China.

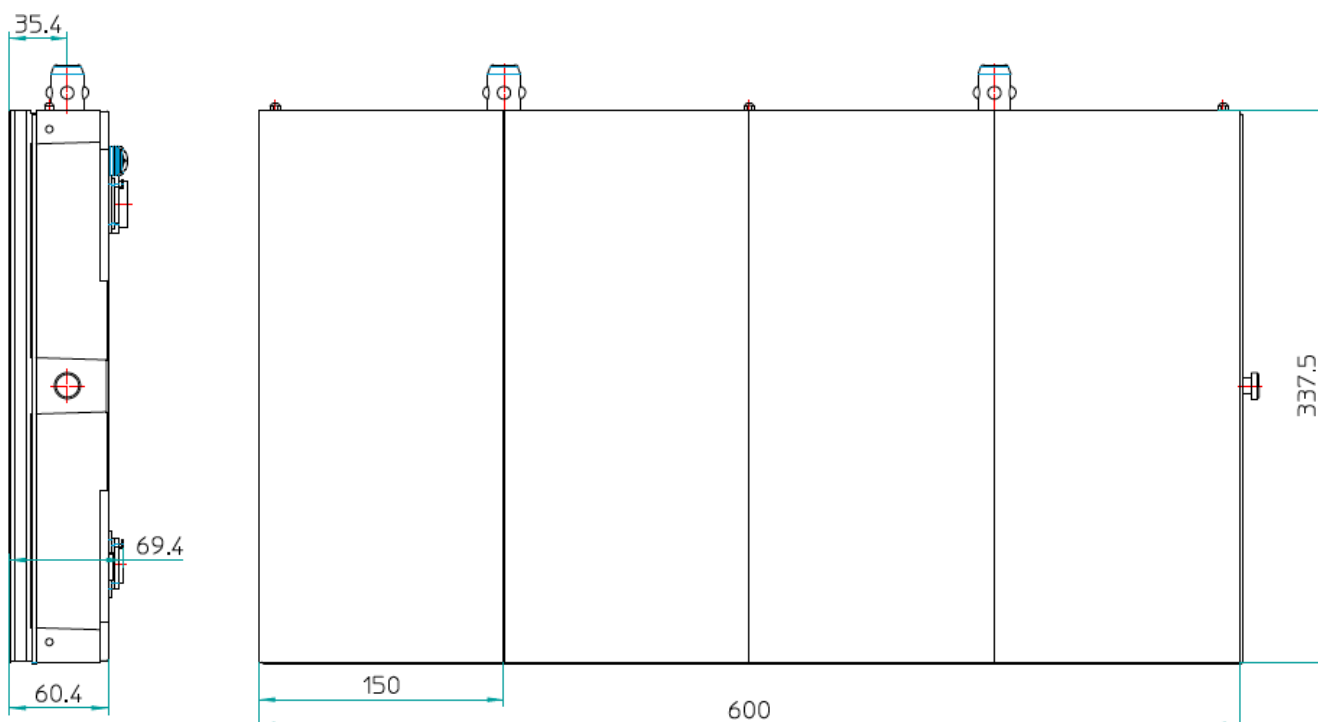


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LED Cabinet Specifications

Product Model	CLD1.5 (MiniLED)	Refresh Rate	3840Hz
Pixel Pitch	1.5625 mm	Input Power (Max)	≤135Watts
LED Type	AOTO MiniLED	Input Power (Typical)	≤55watts
Pixel Configuration	1R, 1G, 1B	Weight	≤8.8 kg
Pixels Per Square Meter	409,600 dots/m ²	Input Voltage	AC100V to AC240V
Pixels	384 W x 216 H = 82,944 dots	Input Power Frequency	50 to 60 Hz
Dimensions	Width: 600mm; Height: 337.5mm	Lifespan	≥50,000 hours
Area	0.2025 m ²	Ingress Protection	IP30
Brightness	800 cd/m ² (after calibration)	Operating Environment	
Viewing Angle	H: 175°±5°; V: 175°±5°	Temperature	-10 to up to +40 °C
Processing Depth	24bit	Humidity	10% up to 80% RH
Colours	281 trillion	HDR Support	

Dimensions:



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