



AV2

High Resolution Flexible Video Panel System with 2.97mm Pixel Pitch

The AV2 is a high resolution, flexible video panel from ADJ. Each panel has a pixel pitch of 2.97mm with a configuration of a 3-in-1 RGB SMD2121 LED. The panel can curve in convex or concave $\pm 5^\circ$. The brightness is 1000 NITS. There are 4 LED modules per panel. This allows for easy serviceability. The AV2 connections include powerCon In/Out and Ethercon In/Out. This panel also features a Novastar A5s receiving card.

ADJ offers full packages with video processors, software, cabling, rigging bars and flight cases so that you have everything you need to get up and running.

Up to 8 AV2 video panels fit inside the AV2FC flight case.



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SPECIFICATIONS:

- Pixel Pitch: 2.97mm (0.17")
- LED Configuration: 3-in-1 SMD2121 LED
- Pixel Density: 168x168; 112896 per square meter
- Size :19.75" x 19.75" x 3" / 500 x 500 x 73mm
- Module Quantity: 4
- Weight: 17.64 lbs. / 8kg.

FEATURES:

- Corner Protectors to protect the corners of the AV2 during transport, set-up and teardown
- Concave /convex option: set-up straight, 5% concave or 5% convex
- 4 easy to replace video modules on each panel

MECHANICAL RATINGS:

- Surface Flatness: Gaps<0.5mm

OPTICAL RATINGS:

- Brightness: 1000 NITS
- View Angle: Horizontal 160°/Vertical 120° @ 9.75 ft. (2.97m)
- Gray Scale / Display Color: 14-bit
- Brightness Adjustment: 0~100% 100 Levels
- Processing: 14-bit

POWER SUPPLY:

- Operation Power: 100~240V 50-60Hz
- Max. Power Consumption: 115W/per panel
- Ave. Power Consumption: 35W/per panel
- Connections Power/Data: Power-PowerCon In/Out; Data EtherCon In/Out

CONTROL SYSTEM:

- Control Mode: Nova Star Synchronous System with Control via DVI
- Frame Update Frequency: 50-60Hz
- Scan Mode: 1/21
- Refresh Rate: ≥1920Hz
- Support Input: Composite, S-Video, Component, VGA, DVI, HDMI, HD_SDI
- Control Distance: Ethernet Cable <100m or Fiber Optic>120m
- Support VGA Mode: 1024 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1280
- Brightness Correction: Pixel, Module, Cabinet



MODULAR DESIGN



**CORNER
PROTECTORS**



**CONCAVE /
CONVEX
CONNECTORS**

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ENVIRONMENTAL:

- Operating Temp / Humidity: Fahrenheit: -4° + 104° / Celsius: -20° + 40° / 10-90% (No Condensation)
- Operating Life / MTBF: 50,000 Hours / 5,000 Hours
- Protection Level: IP20 (Front and Back)
- Out of Control Rate: <0.02%
- Listings: cETLus

OPTIONAL ACCESSORIES:

- AV2FC (AV2066): Flight Case – Fits 8 AV2 panels
- AV2RB (AV2035): Rigging Bar - Connect up to 15 AV2 Video Panels
- AV2RSB (AV2084): Rear Support Bracket (parts site)
- Novastar VX4S: Video Processor
- Novastar MCTRL-300: Video Processor
- Novastar Nova Pro HD: Video Processor
- Arkaos Media Master: Video Software
- Arkaos GrandVJ 2.0: Video Software

CABLES:

- Cabinet to Cabinet Data Link Cables (EtherCON Connectors)
- powerCON Link Cables
- powerCON Main Power Cables



AV2FC



AV2RB Rigging Bar



**AV2RSB
Rear Support Bracket**

