











AVM4227

22" Widescreen HD Display



FEATURES ///

-  21.5" 16:9 ASPECT RATIO DISPLAY
-  1920 X 1080 RESOLUTION
-  HD, SD, DVI, AND VGA INPUTS
-  SS, PIP, AND SBS MODES
-  NVIS COMPATIBILITY (OPTIONAL)
-  HEATED LCD (OPTIONAL)
-  TOUCHSCREEN (OPTIONAL)
-  REMOTE DIMMING (OPTIONAL)
-  RUGGED MILLED ALUMINUM FRAME
-  LARGE SCREEN, THIN PROFILE

DISPLAY MORE, DO MORE ///

Crisp and bright, the widescreen AVM4227 provides screen dimensions that are ideal for viewing high-definition sensor outputs.

A rugged, milled display frame minimized around the 16:9 aspect-ratio LCD, provides maximum active area in a minimum footprint. Bonded display glass provides a sunlight-readable image with a broad dimming range. NTSC, PAL, SMPTE 292M, DVI, and VGA connections allow integration of a variety of sensor, mapping, and mission data; standard picture-by-picture modality allows multiple inputs to be viewed simultaneously.

The AVM4227 is an excellent choice for high-definition video when clarity, crispness, and detail are a priority.

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INNOVATION ON DISPLAY

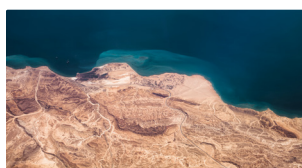
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SCREEN MODES

The AVM4227 offers three screen modes:



Full screen mode displays one input signal that fills the screen and maintains the aspect ratio of the input source.



Split screen (SS) mode displays two input signals simultaneously as equally-sized images that are stretched/cropped to fit each window.



Picture-in-picture (PIP) mode displays two input signals simultaneously, one in a full screen format and one in a smaller, inset window, whose position is configurable.



Picture-by-picture (PBP) or side-by-side mode, displays two input signals next to each other as equally-sized images whose aspect ratios is maintained. Excess screen space appears as black bars.

SPECIFICATIONS

DIMENSIONS//

| | | |
|--------------|----------------|-----------|
| Display Area | 21.5" diagonal | 546.1 mm |
| Height | 13" | 330.02 mm |
| Width | 20" | 508 mm |
| Depth | 3.12" | 79.2 mm |
| Weight | 16.5 lbs. | 7.49 kg |

I/O //

| | |
|-----------------|---------------------------------|
| Power | 28 VDC |
| Composite Video | 6 inputs / 2 outputs |
| HD Video | 2 inputs / 1 output |
| VGA | 2 inputs |
| DVI | 1 input |
| Signals | NTSC, PAL, VGA, SMPTE 292M, DVI |

CHARACTERISTICS //

| | |
|--------------------------|---|
| Power Draw | 2.5A at 28 VDC (70w); 4.8A at 28 VDC (134.4w) with heater |
| Aspect Ratio | 16:9 |
| Resolution | 1920 (h) x 1080 (v) pixels |
| Horizontal Viewing Angle | 180° |
| Vertical Viewing Angle | 180° |
| Contrast Ratio | 5000:1 |
| NVIS | Class B (optional) |
| Operating Temperature | -45 to +71 °C (with heater) |

QUALIFICATIONS //

Designed to meet DO-160G

