











AVM4227Q

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

MISSION-SPECIFIC VERSATILITY ///

The AVM4227Q offers full HD resolution in a rugged widescreen display that has minimal footprint and extensive capability.

This sharp, crisp display gives operators a pixel-for-pixel, sensor-to-display option with HD sensors, that is ideal for ISR missions. Additionally, a standard quad processing option allows for simultaneous viewing of up to four inputs at once. Operators may choose between six screen configurations such as, Full Screen, Picture-in-Picture, Side-by-Side, Quad Horizontal, Quad Vertical, and Quad.

A full complement of HD, SD, VGA, and DVI connections allow integration of a variety of moving maps and moving map systems. NVIS capability, along with a wide dimming range, round out the features that make this versatile display ideal for the most critical missions.

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INNOVATION ON DISPLAY



SCREEN MODES

The AVM4227Q offers six screen modes:*



Full screen mode displays only one input signal.



Picture-in-picture mode displays two input signals simultaneously, one in a large format and one in a smaller window, whose position is configurable.



Picture-by-picture (or side-by-side) mode displays two input signals next to each other as equally-sized images.



Quad mode displays four input signals, in four equal sizes.



Quad horizontal mode displays input signals as one large and three small images along the top or bottom side of the display.



Quad vertical mode displays input signals as one large and three small images along the left or right sides of the display.

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 //

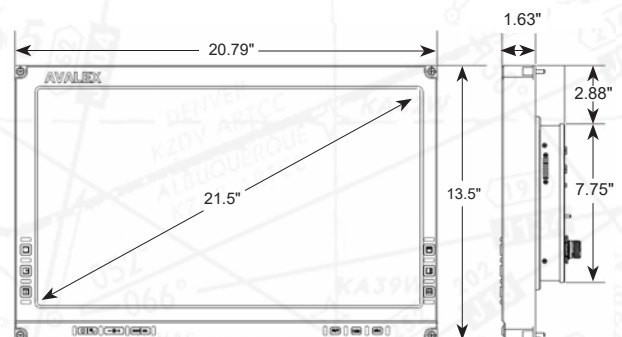
Power	28 VDC
Composite Video	6 inputs / 2 outputs
HD Video	4 inputs / 2 outputs
VGA	2 inputs
DVI	2 inputs / 1 output
Signals	NTSC, PAL, DVI, SMPTE 292M, VGA

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 //

DO-160G



*In each mode, aspect ratios can be maintained in letterbox format or set to stretch and fit or be cropped in the viewing space.