











AVM4177Q

17" Widescreen Quad HD Display



FEATURES //

-  17.3" 16:9 ASPECT RATIO DISPLAY
-  1920 X 1080 RESOLUTION
-  INPUTS: (4) HD, (6) SD, (2) DVI, (2) VGA
OUTPUTS: (2) SD, (1) DVI
-  SS, PIP, SBS & QUAD SCREEN MODES
-  TOUCHSCREEN (OPTIONAL)
-  NVIS CAPABILITY (OPTIONAL)
-  RUGGED, MILLED ALUMINUM FRAME
-  HEATED LCD (OPTIONAL)
-  REMOTE DIMMING (OPTIONAL)
-  THIN PROFILE



BRIGHT, COMPACT, EFFECTIVE //

The rugged AVM4177Q widescreen display offers crisp, quad-screen capability for HD/SD/DVI/VGA video as well as extensive interconnectivity with cockpit sensors, map systems, and mission computers. Split-screen, picture-in-picture, and side-by-side screen modes allow sensor imagery, maps, or video to be viewed simultaneously.

The sunlight-readable 16:9 LCD features a broad dimming range and optional NVIS compatibility, and the slim, milled display frame balances viewing area with rugged performance. This display is an ideal solution for airborne and ground ISR mission platforms.

AVALEX
TECHNOLOGIES

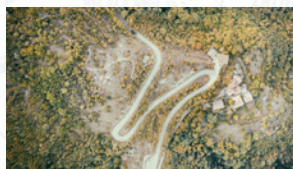
WE'RE ON A MISSION.

avalex.com

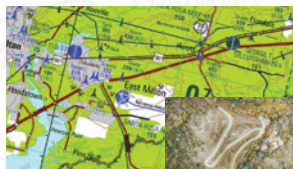
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SCREEN MODES



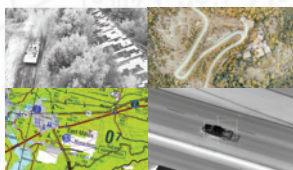
Full screen mode displays only one input signal.



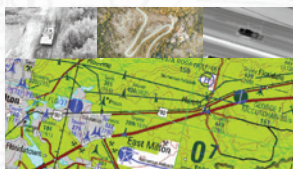
Picture-in-picture mode displays two input signals simultaneously, one in a large format and one in a smaller window, whose position is configurable.



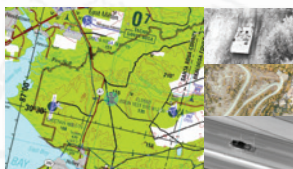
Split screen (SS) mode displays two input signals simultaneously as equally-sized images that are stretched/cropped to fit each window.



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 side of the display.



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

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

SPECIFICATIONS

DIMENSIONS //

Display Area.....	17.3" diagonal	439.42 mm
Height.....	10.88".....	276.35 mm
Width.....	17.3".....	439.42 mm
Depth.....	2.05".....	52.07 mm
Weight.....	11.0 lb.....	4.99 kg

I/O //

Power	28VDC
RS-170A.....	6 inputs / 2 outputs
SDI.....	4 inputs
VGA.....	2 inputs
DVI.....	2 inputs / 1 output
Discrete.....	1 open / ground
Data.....	RS-232, USB, Ethernet, CAN Bus

CHARACTERISTICS //

Power Draw.....	2.5A @ 28VDC
Aspect Ratio	16:9
Resolution.....	1920 x 1080
Horizontal Viewing	160°
Vertical Viewing	140°
Contrast Ratio	600:1
NVIS	Class B (optional)
Operating Temperature.....	-40C to +55C° C

QUALIFICATIONS //

Designed to meet MIL-STD-810G,
MIL-STD-461F

