

AVM4158

15" Large Area Display



FEATURES //

-  15" 4:3 ASPECT RATIO DISPLAY
-  1400 X 1050 RESOLUTION
-  HD ARINC 818 AND DVI INPUTS
-  RS-232 & RS-422 COMMUNICATIONS
-  NVIS-B CAPABLE
-  BUILT-IN HEATER (OPTIONAL)
-  BUTTON BEZEL
-  HD-SDI, NTSC, PAL
-  THIN PROFILE
-  PASSIVE COOLING

MAXIMIZE YOUR VIEWING CAPABILITY //

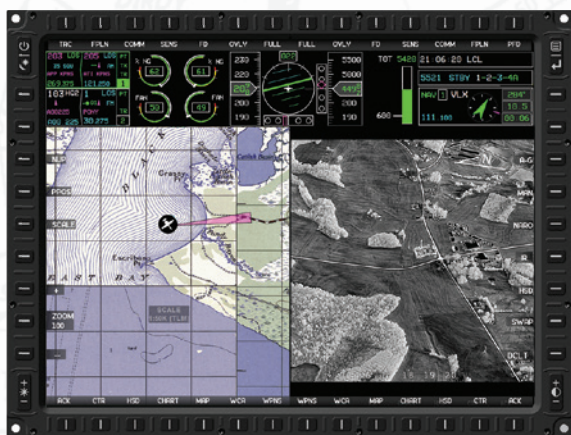
Combining a host of leading-edge interface and display technologies, the AVM4158 brings a new level of capability to the Large Area Display (LAD).

Quickly fit two 6" x 8" MFD / PFD pages side-by-side on one display, even when they come from different sources. Easily place digital maps next to HD sensor video to identify points of interest in ISR video. DVI, ARINC 818, HD-SDI, SD video, RGB, and VGA sources are all supported.

The AVM4158 provides all of the connection options expected from an industry-leading Large Area Display, in an NVIS-B compatible, passively-cooled, thin, form factor.

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APPLICATIONS

Ideal for center-panel applications, the AVM4158 provides side-by-side, switchable display of video, mission computer outputs, maps, and primary flight instrumentation. DVI and ARINC 818 inputs interface with other state-of-the-art sensors and cameras; RS-232 and RS-422 communications allow for easy software updates and transfer of system status. Bezel button and LCD dimming are configurable via either the front luminance button or 5/28VDC remote.

The heated LCD optimizes performance at high altitudes and in cold-weather-start conditions. The thin profile, enabled by the passive cooling, conserves both space behind the front plane and power usage, making this display the efficient choice to support sophisticated integrations where other avionics demand complicated cabling arrangements and high power usage. The 46 programmable line-select bezel buttons offer an accessible, customizable interface with whatever mission computer, sensor, or instrument information the pilot needs to display.

SPECIFICATIONS

DIMENSIONS //

Display Area..... 15" diagonal381 mm
Height..... 10.6"269.24 mm
Width..... 14"355.6 mm
Depth..... 1.93"49.022 mm
Weight..... 8.8 lbs.....4.0 kg

I/O //

Power 28 VDC
Video Inputs..... ARINC 818, DVI
Dimming Configured for 5 VDC / 5 VAC
(Bezel only)
Signals ARINC 818, DVI, RS-232, RS-422

CHARACTERISTICS //

Power Draw1.25A @ 28 VDC (35W) with
heater off, 3.35A @ 28 VDC
(92.5W) with heater on
Aspect Ratio4:3
Resolution1,400 (h) x 1,050 (v)
Pixel Pitch (mm).....0.2175 x 0.2175
Horiz. Viewing Angle170°
Vert. Viewing Angle170°
Contrast Ratio1,000:1
Refresh Rate.....60 Hz
NVISClass B
Operating Temp.....-40 to +71 °C
Cooling.....Passive

QUALIFICATIONS //

MIL-STD-810G MIL-STD-461F

