











AMD3121

12" Smart Multi-Function Display



FEATURES ///

-  12.1" 4:3 ASPECT RATIO DISPLAY
-  800 X 600 RESOLUTION
-  RS-170 AND SMPTE VIDEO INPUTS
-  INTEL I7 PROCESSOR, 8 GB RAM
-  SATA, ESATA/USB, COMPACT FLASH, SD REMOVABLE MEMORY
-  TOUCHSCREEN
-  1553, ARINC429, ETHERNET, SERIAL, DISCRETES, ARINC825/CANBUS COMMUNICATIONS
-  INTEGRATED GPS
-  BACKLIGHT OFF WHEN STOWED
-  CONFIGURATIONS FOR PANEL AND SWING-ARM MOUNT

SPACE-SAVING AND SMART ///

The AMD3121 is a rugged 12.1" portrait, XGA smart multi-function display (SMFD). It features a thin, sunlight-readable screen that allows operators simultaneous viewing of crystal-clear, high-definition video along with the Avalex Mission Mapping application. This display features integrated GPS and fully supports multiple sensor and system inputs.

Designed with I/O and a powerful 4th generation Intel i7 processor inside a neat, compact housing, it provides both versatility and power with space-saving efficiency. Sensor cueing and augmented reality-style symbology is available. This thin, lightweight SMFD works efficiently in all field conditions and is ideal for any tactical aircraft integration.

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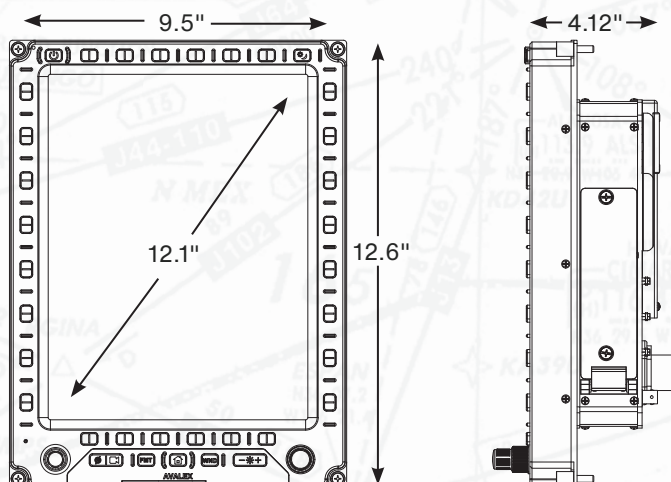
Ideal for tactical aircraft integration, the AMD3121 cues sensors and hosts a variety of system data, digital kneeboard packets, video input, and optional map data in a splitscreen format to create a display with glass-cockpit-like efficiency.



Optional integrated mapping software allows the AMD3121 to present overlays and current location over either digitized maps (CADRG) or images (CIB, GeoTIFF). Easily scale maps, drop waypoints, plan routes, cue sensors to defined waypoints, and exchange data with FMS, PFD, AHRS and other aircraft systems.



Deliverable with Windows, Linux or other RTOS, the AMD3121 offers an optional software developer's kit. The addition of Avalex Mission Mapping software suite and optional Harris FliteScene plugin adds an out-of-the-box tactical moving map and sensor fusion application to the mission display. FalconView data including route planning, threat files, tactical graphics, drawings and custom charts can be seamlessly imported and displayed atop map data, images and live video. Additional plugins for device support are available.



SPECIFICATIONS

DIMENSIONS //

| | | |
|-------------------|---------------------|----------|
| Display Area..... | 12.1" diagonal..... | 307.3 mm |
| Height..... | 12.6" | 320 mm |
| Width..... | 9.5" | 241.3 mm |
| Depth..... | 4.12" | 104.6 mm |
| Weight..... | 9.5 lbs..... | 4.3 kg |

I/O //

| | |
|---------------------------|-------------------|
| Power | 18-28 VDC |
| High Data Rate GPS..... | 1 SMA Connector |
| RS-170 (SD Video)..... | 3 Inputs |
| SMPTE | 2 Inputs |
| MIL-STD-1553 | 2 Inputs |
| USB | 1 SMA Connector |
| Ethernet 10/100/1000..... | 3 Ports |
| RS-232/422 | 2 Ports / 2 Ports |
| ARINC 825 (CANbus)..... | 2 Ports |
| ARINC 429..... | 2 TX; 2 RX |

CHARACTERISTICS //

| | |
|-------------------------|--|
| Resolution..... | 800 x 600 |
| Dimming..... | 28 VDC / 5 VDC / 5 VAC |
| Storage Devices | USB, SD, Ethernet, eSATA/ USB Combo, SATA SSD |
| Contrast Ratio | 1000:1 |
| Refresh Rate..... | 60 Hz |
| NVIS | Class A |
| Processor Graphics..... | Intel® HD Graphics 5000 |
| CPU Details..... | Intel Dual Core Processor, 8GB RAM DDR3L |
| Temperature..... | -40 to +55° C (operating) -55 to +85° C (storage) |

QUALIFICATIONS //

MIL-STD-810G, MIL-STD-461F, MIL-STD-704A/F

VARIANTS //

| | |
|-----------------|-----------------|
| AMD3121T | Swing arm mount |
| AMD3121TF | Panel Mount |

ACCESSORIES //

| | |
|---------------|------------------------------|
| ACC9110 | Display mount map controller |
| ACC9220 | Dzus mount map controller |