











AMD3105

10" Smart Multi-Function Display



FEATURES ///

-  10.4" 4:3 ASPECT RATIO DISPLAY
-  1024 X 768 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

COMPACT AND VERSATILE ///

The AMD3105 is a field-proven, 10.4" smart multi-function display (SMFD) featuring an Intel i7 processor, all in a compact package. With it, operators take advantage of leading-edge technology in a practical, rugged form factor.

With full 1080p60 input, PAL, and NTSC, the AMD3105 offers a range of the most current sensor video systems, all on a sunlight-readable display. Already fully integrated with the Turrets and Helmet-Mounted Cueing Systems from FLIR, Wescam, Lexavia, and Thales, the AMD3105 is also able to fully integrate with Harris FliteScene or Avalex digital maps. Sensor cueing and augmented reality-style symbology are also available. This slim, lightweight SMFD is the perfect solution for all tactical aircraft integration.

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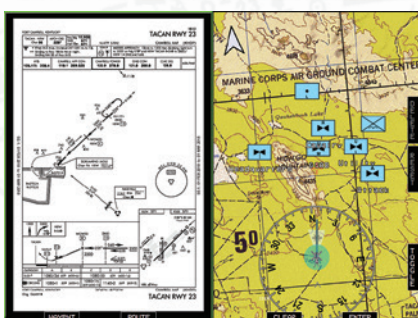
avalex.com

AMD3105

10" Smart Multi-Functional Display



Perfectly suited for integration with tactical aircraft, the AMD3105 cues sensors and hosts system data, digital kneeboard packets, video input, and optional map data in a splitscreen format, resulting in a display able to achieve glass-cockpit-like efficiency.



An integrated mapping software option presents overlays and the current location over either digitized maps (CADRG) or images (CIB, GeoTIFF). Operators can scale maps, drop waypoints, plan routes, cue sensors to defined waypoints, and exchange data with FMS, PFD, AHRS, and other aircraft systems.



The AMD3105 can be delivered with Windows, Linux or other RTOS, and includes a software developer's kit. With the Avalex Mission Mapping software suite and an optional Harris FliteScene plugin, this unit also features an out-of-the-box tactical moving map and sensor fusion application. FalconView data including route planning, threat files, tactical graphics, drawings and custom charts are able to be seamlessly imported and displayed atop map data, images and live video. There are additional plugins for device support available.

SPECIFICATIONS

DIMENSIONS //

Display Area.....	10.4" diagonal...264.2 mm
Height.....	7.87"199.9 mm
Width.....	9.9"251.5 mm
Depth.....	3.32"76.2 mm
Weight.....	7.1 lbs3.22 kg

I/O //

Power	18-28 VDC
High Data Rate GPS.....	1 SMA Connector
RS-170 (SD Video).....	3 Inputs / 1 Output
SMPTE	2 Inputs
Discretes	4 Inputs / 2 Outputs
MIL-STD-1553	2 Ports
USB	2 Ports
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.....	1024 x 768 VGA
Dimming.....	28 VDC / 5 VDC / 5 VAC
Storage Devices	SATA, Compact Flash, SD, eSATA USB Combo, Ethernet
Contrast Ratio	1000:1
Refresh Rate.....	60 Hz
NVIS	Class B
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 //

AMD3105T.....	Swing arm mount
AMD3105TF.....	Panel mount

ACCESSORIES //

ACC9110	Display mount map controller
ACC9220	Dzus mount map controller

