



AMD3105

10" Smart Multi-Function Display

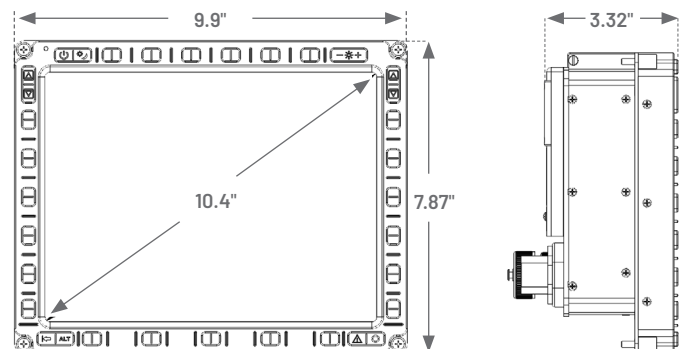
Compact and capable smart display with computing power

- 10.4" touchscreen display with Intel i7 Processor and integrated GPS
- RS-170 and SMPTE video input
- SATA, eSATA/USB, compact flash, SD removable memory
- MIL-STD-1553, ARINC 429, Ethernet, serial, discretes, ARINC 825/CANbus
- Multiple mounting options available for variety of integration possibilities

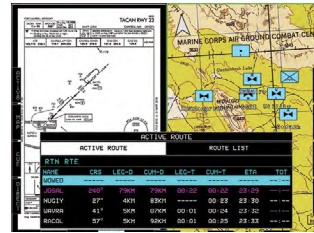
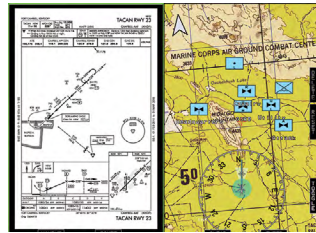


Powerful and practical

- 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
- MIL-STD-1553, ARINC 429, Ethernet, serial, discretes, ARINC 825/CANbus communications
- Integrated GPS
- Backlight off when stowed
- Configurations for panel and swing-arm mount
- Fully integrate with turret and helmet-mounted cueing systems, digital maps, sensor cueing and augmented reality-style symbology



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

An integrated mapping software option presents overlays and 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. The Mercury Systems Mission Mapping software suite and optional Harris FliteScene plug-in 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 are able to be seamlessly imported and displayed atop map data, images and live video. Additional plug-ins for device support are available.

SPECIFICATIONS

Dimensions

Display Area	10.4" (264.2 mm) diagonal
Height	7.87" (199.9 mm)
Width	9.9" (251.5 mm)
Depth	3.32" (76.2 mm)
Weight	7.1 lb (3.22 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, 8 GB RAM DDR3L
Temperature	-40°C to +55°C (operating) -55°C 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

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