




**Mission enhancing functionality
at your fingertips**

**Portable processor/display unit
can be used on or off the aircraft**

Mission planning and in-flight re-planning

**Increases crew efficiency by reducing
cockpit workload**



Yoke-mounted installation - C-130

TacView® Portable Mission Display (PMD) is a compact, self-contained computer and display system designed specifically to enhance situational awareness for military and paramilitary aircrews. It is a cost-effective, rapidly deployable COTS system with the processing power to enable numerous mission enhancing and paperless cockpit applications on fixed and rotary wing aircraft. TacView is essentially a force multiplier providing a portable, smart display interface for real-time tactical communications.

High vibration and temperature extremes associated with military operations will not effect TacView's performance or cause untimely system shut-downs. Internal solid state mass storage ensures continuous operation in the most demanding cockpit conditions. In fact, the system remained operational after two ejection seat sled tests performed for an operational utility evaluation.

Key Features

- NVIS compliant backlighting for display, keyboard and bezel buttons
- 1,000 Nit brightness, high contrast display meeting MIL-STD sunlight readability requirements
- Superior performance film-on-glass touchscreen
- MFD bezel buttons designed for gloved-hand tactile feedback
- Integrated sliding QWERTY keyboard
- Solid-state Compact Flash internal memory for operation in high vibration environments
- Windows XP Pro Operating System providing maximum off-the-shelf flexibility



Integrated sliding QWERTY keyboard in open position

Designed for Autonomous Operation and Unprecedented Situational Awareness

TacView is the portable mission tool that links the crew to the networked battlefield without the costly and time consuming upgrades associated with a fully integrated approach—and with no impact to the operational flight program. CMC has transformed proven processing and display technology into a very flexible system for adding or upgrading functional applications to fit today's demanding missions.



Supports Numerous 3rd Party Applications

TacView hosts virtually any software applications designed to run on the Windows XP Pro operating system. TacView can be used by the aircrew for workload reduction in all phases of flight:

Mission Enhancing

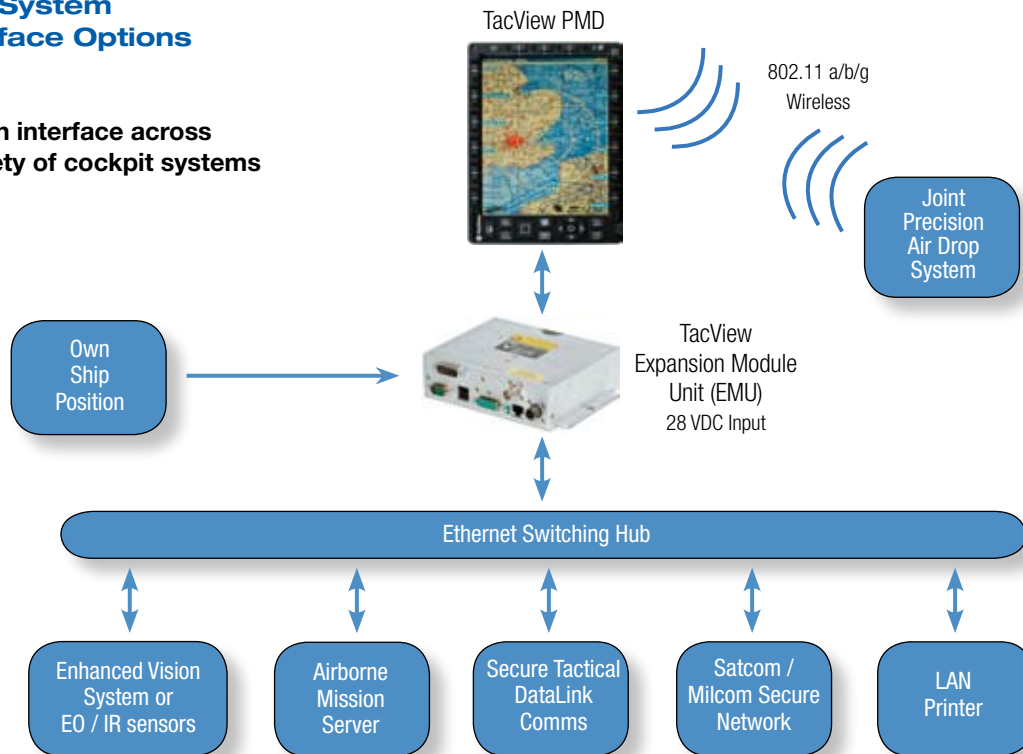
- Data Link Display for Network-Centric Communications
- Portable Mission Planning – PFPS/FalconView, JMPS
- Sensor Imaging – Electro Optical, Infrared
- Embedded Training
- Tactical Situational Awareness
- Synthetic Vision Display

Traditional Paperless Cockpit Functions

- Digital Moving Map
- DOD and Jeppesen Charts
- Traditional Electronic Flight Bag Functionality
- Real Time Weather Imagery
- Aircraft Performance Applications
- Note-Taking

TacView System and Interface Options

TacView can interface across a wide variety of cockpit systems



Physical

	PMD	EMU	Interconnecting Cable
Size	6.30" w x 8.54" h x 1.87" 160 (mm) x 217 (mm) x 47 (mm)	6.86" w x 4.85" h x 1.85" 174 (mm) x 123 (mm) x 47 (mm)	15' (4.6 m)
Weight	3.85 lb max (1.75 kg)	1.6 lb max (.85 kg)	1.0 lb max (.45 kg)
Power	75 W max, 45 W typical	20 W max, 15 W typical	

Passive Cooling: No forced air required
 Operating Temperature: -15° C to + 55° C
 Altitude: qualified to 35,000 ft. MSL (operating)
 Battery Power: 2 Lithium Ion rechargeable batteries
 Mounting Options: Side, Yoke, Knee Mounts

Display

Type: AMLCD XGA, 262,144 Colors
 Screen Size: 5"x 7" (8.4", 213 mm diagonal)
 Resolution: 764 x 1024 pixels, portrait mode
 Contrast Ratio: > 3:1, Direct Sunlight MIL-L-85762A
 Brightness Range: 1000 nits to .05 nits (fully dimmable)
 NVG Compatible: MIL-STD-3009, Class B

Signal Interface/Connectivity

PMD	EMU
USB 2.0	10/100 BaseT Ethernet
PCMCIA	RS-232/422/485
	USB 2.0
	RS-170/NTSC Video
	ARINC-429

(Optional interface to MIL-STD-1553B)

Processor/Software:

Operating System: Microsoft Windows® XP Pro or Linux
 Processor: Intel 1.4 GHz Centrino™ Processor
 Memory: 1 GB Error Correcting Code (ECC) RAM

Environment:
 RTCA DO-160E, PMD
 RTCA DO-160D, EMU




 Over 100 Years
 of Innovation

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References to the various certification levels refer to planned certification. Please contact us for actual certified levels and schedules.
 For information purposes only. To accommodate product improvements, specifications are subject to change without notice.
 TacView 4pager-1 05/09 PRINTED IN CANADA

