



6"x8" Tactical Display

Advanced, LCD based, Thin profile, Touch sensitive display

- XGA Resolution
- Digital Video (DVI) Input
- On Display USB port
- Touch sensitive screen
- Optional bezel
- NVIS Compatible
- Ultra Thin Display Unit
- Full Sunlight Readability

Astronautics' 6"x8" Tactical Display is an advanced solution for new avionics & legacy aircraft retrofit programs. The high-reliability, Active Matrix Color LCD (AMLCD) based device receives digital video in DVI format (LVDS is optional), displayed over the MFCD.

The Tactical Display's backlight provides high-quality display colors, with a higher reliability and longer life of the unit. The LED backlight incorporate day/night/NVG functionality , based on pilot's selection.

The 6"x8" Tactical Display may present graphics or live video, with high response rate. The display is capable of displaying live video from sensors, tactical situation display, avionics display formats , Electronic Flight Bag Information and more

Astronautics' 6"x8" Tactical Display features include:

- True flat-panel, ultra thin display
- Active Matrix LCD Display
- LED backlight
- Aspect Ratio 3:4
- Touch screen
- 28 multi-function keys or blank bezel (containing only brightness and power controls)
- Brightness control
- Night Vision Goggle (NVG) compatibility
- Power button (Controls display backlight On/Off)
- Selectable Brightness Modes: Day/Night/NVG
- Modular Rugged Construction
- 64 shades of grey
- User accessible on-display USB port
- Anti Reflective coating
- Automatic "No Video" signal detection



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6" x 8" Tactical Display

Color NVIS Compatible * High-Reliability * Resistive Touch Screen

Display	LCD with LED backlight & wide dimming range
Touch Screen	4 Wire resistive, glass on glass lamination
Display Resolution	XGA 1024 x 768 Pixels, 3 color (RGB) per pixel
Active Viewing area	6.06" (H) x 8.164" (V)
Colors & SOG	6 bits per color, 64 shades of Gray (SOG) per color
Viewing Angle	80° Viewing Cone
Brightness	0.05 fL to 200 fL (different range for day & night to maximum)
Contrast Ratio	> 1:400 in day mode (Center field of view)
Video Input	DVI 1.0 or LVDS 18 bit (TIA/EIA-644 LVDS standard)
Digital Interfaces	RS-422 (x3), USB 2.0 (Including internal hub), Four (4) GND/Open Discretes, Eight (8) GND/Open Output Discretes
User Accessible USB Port	One (1) USB 2.0 port on the side of the display
Bezel	Full bezel (28 multi-function illuminated keys) with tactile feedback on all keys, One (1) brightness rocker switch and one (1) Power key
Bezel dimming	Via external dimming interface (5VAC) and/or internal Up/Down controls
Power	12 VDC, ± 2VDC, 25 Watts @ Maximum brightness setting
Physical Dimensions	8" (W) x 10.3" (H) x 1.1" (D)
Weight	2.5 Kg
Temperature	Operating: -15°C to +55°C; Storage: -45°C to +71°C
EMC	MIL-STD-461D – CS101, CE102, CS114, CS115, CS116, RE102, RS101, RS103
Decompression	8,000 ft to 45,100 ft
Reliability	24,000 Hours MTBF



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