



ASD70 RUGGED SMALL DISPLAY

RUGGED MILITARY DISPLAY FOR DISMOUNTED
OR MOUNTED OPERATIONS

DATA SHEET



ASD70

RUGGED MILITARY DISPLAYS FOR
DISMOUNTED OR MOUNTED OPERATIONS

RUGGED SMALL DISPLAY

When every ounce matters and every watt counts, Spectra's ASD70 delivers uncompromising visual performance. Purpose-built for dismounted operations and vehicle integration, this ultra-compact 7.0" display brings mission-critical intelligence to warfighters in the field. The ASD70 provides battlefield-ready display performance where size, weight and power are at a premium, and Spectra stands ready to customize the unit to fit specific program needs.

Spectra's field-proven displays enable seamless transitions between mounted and dismounted operations. For dismounted use, displays adapt to mission requirements with configurable controls and connectors, interfacing directly with soldier-level computers and battery systems. At just 1.8 lbs (0.82 kg) and 8W typical power draw, the ASD70 extends mission duration while reducing operator fatigue. Touch screen and high brightness options deploy when conditions demand them. For vehicle mounting, precision-engineered Helicoil inserts ensure secure integration across platform types.

Spectra maintains several battle-tested configurations ready for immediate deployment, or engineers custom mechanical solutions to meet your exact program requirements.

MISSION-READY CAPABILITIES

- Ultra-Compact Footprint – Ultra-compact mechanical outline
- Extended Endurance – Minimal weight and power consumption
- Combat Visibility – Daylight readable display with optional high-brightness mode
- Battle-Hardened Design – Ruggedized with optional touch screen interface
- Mission-Adaptive – Customizable connectors and placement
- Operator-Focused – Configurable controls and features

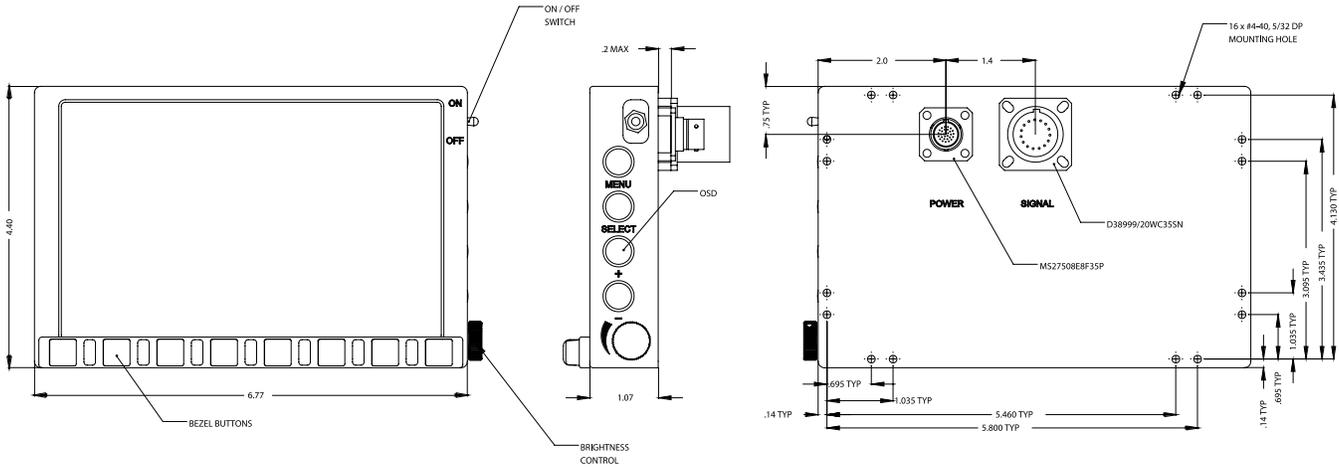


APPLICATIONS

- Fixed & Rotary Wing Aircraft
- Naval & Maritime Vessels
- Military Ground Vehicles
- Transportation
- Oil & Gas

RUGGED DISPLAY FOR C5ISR PLATFORMS — ASD70
QUALIFICATIONS & SPECIFICATIONS

TECHNICAL DRAWING



DISPLAY

Viewable Area	7.0" (17.8 cm) diagonal
Display Type	TFT LCD w/ LED Backlight
Resolution	800x480 or 1024x600
Contrast Ratio	1400:1
Brightness	300+ nits Typical, >750 nits with High Bright Option
Touch Screen	Ruggedized, Analog Resistive

OVERALL UNIT

Dimensions	6.77" x 4.44" x 1.07" (17.2 cm x 11.3 cm x 2.7 cm)
Weight	1.8 +/-lbs (0.82 kg)
Power Input	9 to 36VDC
Power Consumption	8W Typical, 10.5W with High Bright Option
I/O	RGB/DVI, Power, USB/232 (For Touch Option)
Connectors	Glenair Mighty Mouse® or Specify
Enclosure	Aluminum, Fully Enclosed
User Controls	On/Off, Day/Night, OSD, Brightness, Bezel Buttons, Attached Stylus, others Specify
Other	Customizations and Adaptations Available on Request



RUGGED DISPLAY FOR C5ISR PLATFORMS — ASD70

ENVIRONMENTAL (Designed to meet, but is not limited to, the following selected specifications)

Operating Temp	-10°C to +55°C (-40°C optional)
Storage Temp	-40°C to +70°C
Shock	40g, 11msec
Vibration	2.25grms Random
EMI/EMC	Designed to MIL-STD-461
Altitude/ Explosive Atmosphere	Up to 40kft (12,192m) Operating. Non-Operating
Salt Fog, Sand/Dust	Fully sealed design defeats salt fog, sand, and moisture ingress
Humidity	Operating & Storage – 95% @ 25°C, Non-condensing

SPECTRA

Defense Technologies

Spectra Defense Technologies is a global provider of leading C5ISR solutions for aerospace and defense customers. With over 35 years of proven performance and differentiated expertise, we deliver fully integrated mission systems, data recorders, secure networking, edge computing, robust data-at-rest encryption and advanced visualization that capture, process, and display mission-critical data across air, land, sea, and space.

Backed by engineering, sales, and production teams in North America and Europe, Spectra combines global reach with agile innovation to meet evolving end-user needs with speed and precision. Guided by a culture of innovation and deep customer partnership, we build enduring trust through open-architecture designs, technical excellence, and resilient systems designed to meet today's mission needs and anticipate tomorrow's demands for the U.S. DoW, NATO, European defense organizations, and allied partners worldwide. Visit spectradefense.tech to learn more.

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