

Argon Rugged Display – ARD17

17" Rugged Display for C4ISR Platforms



Typical ARD17 Rugged 17" Display



ARD17 Installed in NASA Space Shuttle Simulator

Argon offers a 17" rugged display that is particularly suitable for Command & Control console applications where space is at a premium such as in combat & tactical vehicles, mobile shelters, and close-in naval spaces. The ARD17's small bezel size, flexible mounting configurations, configurable I/O, and universal AC/DC power supply make it a valuable solution for many mission critical applications. Of course, argon will customize the unit to meet your exact electrical or mechanical interfaces.

The ARD17 is a full-featured mil spec display with a wide variety of standard options, and Argon is prepared to customize the display to ensure that the product meets your exacting requirements.

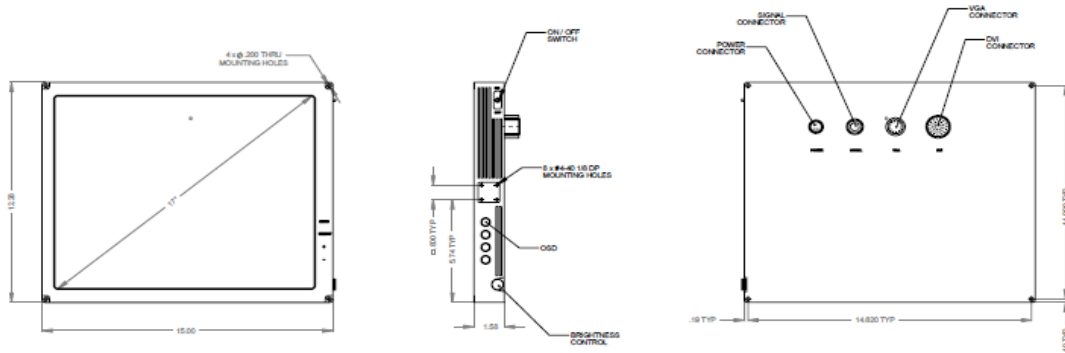
Main Features:

- Extremely Small Bezel Dimensions
- Low Weight
- Customer Defined Bezel Buttons
- NVG Compatibility (Option)
- High Brightness (Option)
- Military Connectors
- Wide Range for Environmental/EMI
- Fully Enclosed Unit (IP66), Convection Cooling
- Rugged AR Touch Screen (Option)

Argon Corp has over 28 years of experience designing, producing and supporting a variety of rugged computing and display solutions that serve land based, naval and airborne applications. These solutions are also suitable for adjacent applications where extreme, combat like environments are present, such as oil and gas exploration, and mining activities.

Argon has developed a standing reputation for working with customers to design custom solutions and reliable products. Add to this extensive industry knowledge and Argon is a partner you can trust.

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Technical Specifications for ARD17 (Typical)

Optical	
Viewable Area	17" Diagonal
Display Type	TFT LCD w/ LED Backlight
Resolution	1280x1024 (SXGA)
Contrast Ratio	>1400:1
Brightness	400 nits Typical, High Brightness Option up to 750+ nits
Touch Screen	Ruggedized, Analog Resistive
NVIS Safety	NVG Compatibility (Option)
Overall Unit	
Dimensions (Rack Mt)	15.00" x 12.28" x 1.58"
Weight	14 +-lbs
Power Input	18 to 36VDC or 110/220VAC 47 to 440 Hz Input
Power Consumption	40W Typical
I/O Options	Analog/DVI, RS-170, RS232, USB (For Touch Screen or Bezel Buttons)
Connectors	MIL Circular, D Sub or Specify
Enclosure	Aluminum, Enclosure (No Openings)
User Controls	On/Off, OSD, Brightness, Bezel Buttons, Day/Night
Environmental	
Meets, but not Limited to, the Following Sample Specifications	
Operating Temp	-10°C to +55°C (-40°C Option), MIL-STD-810
Storage Temp	-40°C to +71°C, MIL-STD-810
Shock	Mil-S-901D and Others
Vibration	2.25 grms, MIL-STD-810
EMI/EMC	Designed to MIL-STD-461
Altitude	40k ft Operating/Non-Operating, MIL-STD-810
Salt Fog, Sand/Dust	Resistant to Salt Fog, Unit is 100% Enclosed
Humidity	Operational, 100% Condensing, MIL-STD-810