

Argon Rugged Display – ARD12

12.1" Rugged Display for C4ISR Platforms



Typical Configuration ARD12 – Rugged 12.1" Display

Argon offers a 12.1" rugged display that is particularly suitable for Command & Control applications where space is at a premium such as in combat & tactical vehicles, mobile shelters, and close-in naval spaces. The ARD12'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.

The ARD12 is a full-featured combat ready 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.

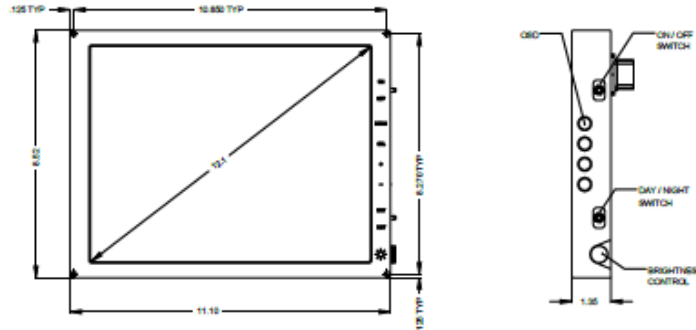
Main Features:

- 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 ARD12 (Typical)

Optical	
Viewable Area	12.1" Diagonal
Display Type	TFT LCD w/ LED Backlight
Resolution	800x600 or 1024x768
Contrast Ratio	>1400:1
Brightness	400+ nits Typical, High Brightness option up to 750+ nits
Touch Screen	Ruggedized, Analog Resistive
NVG	Optional NVG Compatibility
Overall Unit	
Dimensions (Typical)	11.3" x 8.5" x 1.6"
Weight	6 +/-lbs
Power Input	18 to 36VDC or 110/220VAC 44 to 440Hz Input
Power Consumption	25W Typical
I/O	RGB/DVI, RS-170, RS232/USB (For Touch Screen or Bezel Buttons)
Connectors	MIL Circular, D Sub or Specify
Enclosure	Aluminum, Enclosed (No Openings)
User Controls	On/Off, OSD, Brightness, Bezel Buttons, Day/Night (for NVIS)
Environmental	
Designed to Meet, but not Limited to, the Following Selected Specifications	
Operating Temp	-10°C to +55°C (-40°C optional)
Storage Temp	-40°C to +71°C
Shock	Crash Safety, Bench Handling, MIL-STD-810G, Method 516.6
Vibration	Sine on Random, MIL-810E, Method 514.6, Proc 1, Cat 7
EMI/EMC	Full suite of MIL-STD-461 (Performed on AT version)
Altitude	40k ft Operational/Non-Operational
Salt Fog, Sand/Dust	MIL-STD-810F, Method 510.5, Proc I & II (IP66)
Humidity	100% Condensing, Op and Non Op per MIL-STD-810G, Method 507.5