Argon Rugged Display – ARD10
10.4" Rugged Display for C4ISR Platforms

ARD10 – Rugged 10.4" Display Shown in Two Configurations

Argon offers a 10.4" 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 ARD10'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 ARD10 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.
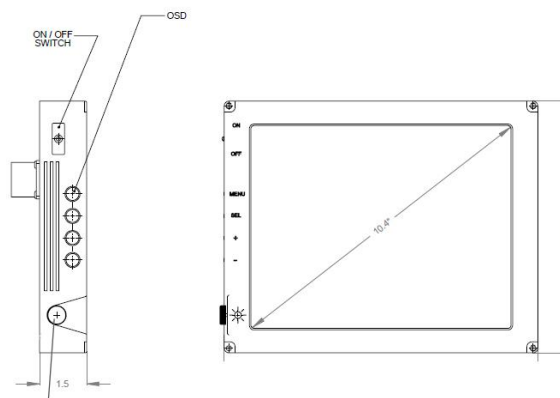
Main Features:

    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 nearly 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 ARD10 (Typical)

Optical	
Viewable Area	10.4" Diagonal
Display Type	TFT LCD w/ LED Backlight
Resolution	640x480 (VGA), 800x600 or 1024x768 (XGA)
Contrast Ratio	>1400:1
Brightness	400 Nits Standard, High Brightness option up to 750+ nits
Touch Screen	Ruggedized, Analog Resistive
NVG	Optional NVG Compatibility
Overall Unit	
Dimensions (Typical)	10.0" x 8.0" x 1.5"
Weight	6 +-lbs
Power Input	18 to 36VDC or 110/220, 44Hz to 440 Hz VAC Input
Power Consumption	25W Typical
I/O	RGB/DVI/RS-170, Remote Control - RS232/USB
Connectors	MIL Circular, D Sub or Specify
Enclosure	Aluminum, Enclosed (No Openings)
User Controls	On/Off, Day/Night, OSD, Brightness, Bezel Buttons
Environmental	**Designed to Meet, but not Limited to, the Following Selected Specifications**
Operating Temp	-10ºC to +55ºC (-40ºC optional)
Storage Temp	-40ºC to +71ºC
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)