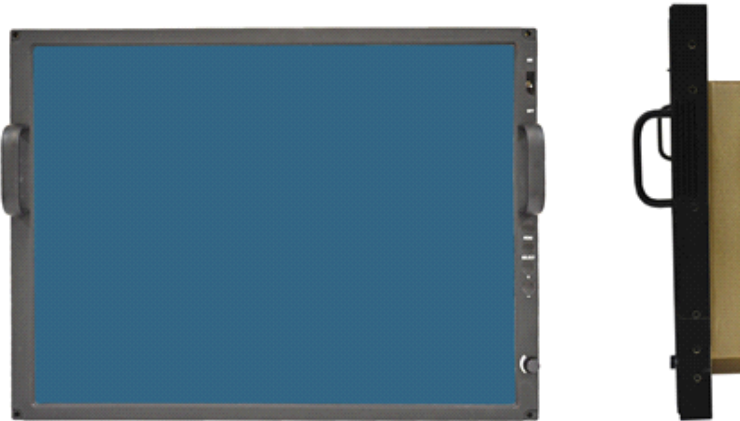# Argon Rugged Display – ARD21

21.3", UXGA Resolution, Rugged Display for C4ISR Platforms

Typical ARD21 - 21" in 19" Rack Mount Configuration

Argon offers a 21.3" rugged display that is designed for Command & Control applications where maximum viewable surface area is needed in the smallest mounting possible. The ARD21's extremely 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.
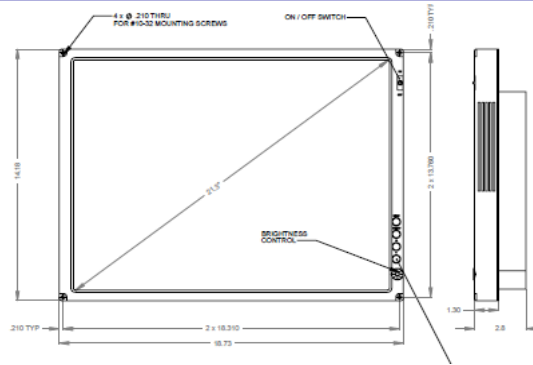
The ARD21's 21.3" display is suitable for combat & tactical vehicles, mobile shelters, and close in naval spaces. Argon Corp offers the customer a variety of standard options and is ready to customize to ensure that the product meets your exacting requirements. It has been designed to be FFF replacement of the obsolete 20.1" legacy rugged displays.

Main Features:

Low Power Consumption – 65W at 400 Nits (Typical)
LED Backlighting System
19" Rack Mount, 8U/9U High, 2.8" Depth
Optional Handles
Low Weight (15.7lbs)
901D and Other Environmental/EMI Qualification Tests Performed
Fully Enclosed Unit; No Holes or Fans

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.

Technical Specifications for ARD21 (Typical)

Optical	
Viewable Area	21.3" Diagonal
Display Type	TFT LCD w/ LED Backlight
Resolution	1600x1200 (UXGA)
Brightness	400 nits Typical, 750 nits+ via High Bright Option
Touch Screen	Optional Ruggedized, Analog Resistive or Inquire for Others
Overall Unit	
Dimensions (Rack Mt)	18.85" x 14.2" x 2.8"
Weight	15.7 +-lbs
Power Input	18 to 36VDC or 110/220VAC, 44 to 440 Hz Input
Power Consumption	65W Typical
I/O	RGB/DVI/5 Wire BNC, RS-170, RS232/USB (For Touch Screen)
Connectors	MIL Circular, D Sub or Specify
Enclosure	Aluminum, Enclosed
User Controls	On/Off, OSD, Brightness
Environmental	**Meets, but not Limited to, the Following Sample Specifications**
Operating Temp	-10ºC to +55ºC (-40ºC Optional)
Storage Temp	-40ºC to +71ºC
Shock	MIL-S-901D, MIL-STD-810, Method 516
Vibration	MIL-STD-167A, MIL-STD-810, Method 514
EMI/EMC	Tested to MIL-STD-461E
Altitude/Explosive Atmosphere	40kft Operating/Non Op MIL-STD-810, Method 511
Salt Fog, Sand/Dust	Resistant to Salt Fog, Unit is 100% Enclosed
Humidity	Operating –5% to 95% @ 25°C, Non-Condensing, MIL-STD-810