

# Hawk Eye 18" Rugged Display

The Hawk Eye 18" Display features a large rugged 18" Liquid Crystal Display (LCD) which is designed to be a direct replacement for rack-mount CRT monitors. The Hawk Eye is designed to fit flush in a standard 19" RETMA rack.

The Hawk Eye's LCD is a multi-sync high-resolution 1280 x 1024 display. The Hawk Eye's wide 160° conical viewing angle and a bright 200 NIT screen provides superior display performance for demanding mission critical applications.



The Hawk Eye's enclosure is made from strong lightweight aluminium alloy and is completely sealed. The Hawk Eye is perfect for airborne, shipboard, track vehicles and rapid deployment applications where weight and size are critical. The Hawk Eye's MIL-STD-461D and MIL-STD-810E qualifications make it the ideal display for surface ships, submarines and maritime surveillance requirements.

The Hawk Eye is equipped with sealed front panel controls that access the display's onscreen menu, allowing control of all display functions. The Hawk Eye is available in a standard 19" rack-mount, standalone desktop, or space saving 2U rack-mount enclosure. Available with AC or DC input power operation.

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## Standard Features

- Multi-scan 1280 x 1024 LCD
- 200 NIT brightness with wide conical viewing angle
- Direct CRT rack-mount replacement
- Weighs less than 15 lbs.
- Fully sealed enclosure with sealed front access control switches
- AC or DC options
- Touch screen Option
- Low power consumption
- MIL-STD-461 Option



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## Specifications

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### FUNCTIONAL

Viewing Area	18.1" diagonal screen 14.14" H x 11.31" V
Multiple Sync. Support	Up to 1280 x 1024 SXGA
Dot Pitch	0.28 mm
Resolution	Up to 1280 x 1024
Contrast Ratio	150:1 typical
Displayable Colours	16.7 million
Grey Shade Levels	256
Connectors	MIL-Circular standard terminated to BNC or 13W3 connector
Viewing Angle	160° conical view
Luminance	200 NIT
Response Time	50ms
Voltage	120 VAC 50/60 Hz or 28 VDC 240 VAC optional
Power Consumption	MIL-STD-704A MIL-STD-1285 60 Watts typical
Horizontal Sync	24 to 80 kHz
Vertical Sync	56 to 76 Hz
Front Panel	Power On/Off, Menu Select, Up, Down, Reset

### ENVIRONMENTAL (MIL-STD-810E)

Temperature	Operating temperature -30° to +55°C with warm up Non-operating temperature -55° to +85°C
Shock	15G 11ms operating 30G 11ms non-operating
Vibration	3G RMS, 20-2000 Hz, operating 4G RMS, 20-2000 Hz, non-operating
Altitude	0 to 10,000 ft. operating 0 to 40,000 ft. non-operating
Humidity	100% RH with varied temperature Method 507.3 Proc.1
EMI	FCC Class B MIL-STD-461D (Optional)
Rain	Washdown IP67, MIL-STD-810E, Method 506, Proc. 1
Salt Fog	MIL-STD-810E, Method 509.3, Proc. 1
Explosive Atmosphere	MIL-STD-810E, Method 511.3, Proc. 1
Blowing Dust	Up to 29ft/sec. MIL-STD-810E, Method 510.3, Proc. 1 & 2

### PHYSICAL

Sizes	Physical 19" rack-mount, edgemount, standalone desk top 17" W x 14.50" H x 3.25" D
Weight	15 pounds 19" rack-mount, standalone desk top 2U rackmount, edgemount



Rugged Systems is one of Europe's leading suppliers of rugged, mobile computer, display and communications solutions and services. Specialising in applications such as test & measurement, command and control, data acquisition, secure data & computing, TEMPEST and ultra-reliable message transfer over noisy tactical communication channels. The company strives to be innovative and provide cost effective solutions, through many years of knowledge and experience