

# Hawk Eye 18" Display



The company that listens to the warfighter and delivers.

The **Hawk Eye 18" Display** features a large rugged 18" Color Active Matrix Liquid Crystal Display (AMLCD) which is designed to be a direct replacement to rackmount CRT monitors. The **Hawk Eye** is designed to fit flush in a standard 19" RETMA rack.

The **Hawk Eye 18"** LCD is a multi-sync high-resolution 1280 x 1024 display. The **Hawk Eye's** wide 160° conical viewing angle, .28mm pixel pitch and a bright 200cd/m<sup>2</sup> screen provides superior display performance for demanding mission critical applications.

The **Hawk Eye 18" Display** is made of strong, lightweight aluminum alloy and is totally sealed. The **Hawk Eye** is perfect for airborne, shipboard, tracked vehicles and rapid deployment applications where weight and size are critical.

The **Hawk Eye 18" Display** utilizes solid state control circuitry and power supply to reduce internal wiring thereby improving reliability and maintainability. Operation over extreme temperature ranges and harsh environments is accomplished while maintaining a clear and vivid display. The **Hawk Eye** is the ideal display for surface ships, submarines and maritime surveillance requirements.

The **Hawk Eye 18" Display** provides sealed front access control adjustments. The uniquely designed enclosure renders the unit virtually impervious to moisture or liquid entry. The **Hawk Eye 18" Display** is available in a standard 19" rackmount, standalone desktop, and 2U rackmount. It is also available with an AC or DC input power, MIL-STD-704A compatible. The **Hawk Eye 18" Display** offers a fully compliant MIL-STD-461 option for the most stringent environments.

# Hawk Eye 18" Display

## Specifications

### FEATURES

<b>Viewing Area</b>	18.1" Diagonal Screen; 14.14" H x 11.31" V
<b>Horizontal</b>	24.0 KHz to 80 KHz
<b>Vertical</b>	56.0 Hz to 76.0 Hz
<b>Multi-Scan</b>	640 x 400 PC 9801 720 x 400 VGA Text 640 x 480 VGA 800 x 600 SVGA 832 x 624 MAC 1024 x 768 XGA 1280 x 1024 SXGA
<b>Connector</b>	MIL-Circular connectors, terminated to BNC VGA or 13W3 connector
<b>Note</b>	Sync may be separate horizontal & vertical, composite, or sync on green
<b>Viewing Angle</b>	160° conical view
<b>Pixel Pitch</b>	+15VDC input power
<b>Luminance</b>	200 cd/m2 typical
<b>Number of Pixels</b>	Up to 1280 x 1024
<b>Contrast Ratio</b>	150:1 typical
<b>Colors</b>	Full 16.7 million
<b>Response Time</b>	50 ms.
<b>Front Panel</b>	Power On/Off, Menu Select, Up, Down, Reset
<b>Electrical</b>	120 VAC or 220 VAC
<b>Power</b>	60 watts typical

<b>Physical Sizes</b>	17.00" W, 14.50" H, 3.25" D; 19" rackmount, edgemount standalone desk top
<b>Weight</b>	13 lbs
<b>Form-Factor</b>	19" rackmount, standalone desk top, 2U rackmount, edgemount

### ENVIRONMENTAL

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

For more information on our rugged products, please visit:

**[www.securecomm.com](http://www.securecomm.com)**

All logos in this document are the registered trademark's of their respective companies. Copyright© Secure Communication Systems, Inc. 2010



1740 E. Wilshire Avenue,  
Santa Ana, CA 92705  
Phone: +1 714-547-1174  
Fax: +1 714-547-1343  
sales@securecomm.com  
www.securecomm.com