

AYDINDISPLAYS

a  sparton company

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8815

15" COLOR FLAT PANEL DISPLAY

FEATURES:

- Fanless Design
- Sealed Unit
- Designed for Track & Wheeled Vehicle, Fixed Wing Jet, Propeller, Helicopter & Naval Applications

Aydin is:



3/18_Rev.1



sparton
RUGGED ELECTRONICS

1 Riga Lane,
Birdsboro, PA
19508, U.S.A.,
1-866-367-2934

SPECIFICATIONS:

Display Type: 15" TFT Active Matrix Color LCD

Active Display Area: 304.1 x 228.1 mm
(11.972" x 8.980")

Backlight System: Full Color LED, Dimming to
Zero cd/m2
Dual Mode NVIS (Optional)

Pixel Pitch: 0.297 x 0.297 mm

Luminance: 750 cd/m2 (Minimum, White
Image) to 0.05 cd/m2 then
to zero cd/m2

Contrast Ratio: 700:1 (Typical, Dark Ambient)
3:1 (Typical, Bright Ambient)
86,000 Lux Diffuse and
6,800 cd/m2 Glare Source

Response Time: 19 ms (Typical/GTG)

Display Colors: 16.7 Million

Video Inputs: Analog RGB, DVI-D, RS-170

**Resolutions
Supported:** 640 x 480 @ 60-85 Hz
720 x 400 @ 85 Hz
800 x 600 @ 56-85 Hz
1024 x 768 @ 60-85 Hz

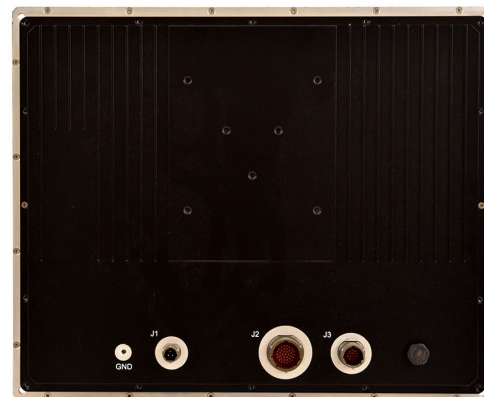
Native Resolution: 1024 x 768

Display Controls: Video Select
Display Brightness: Increase
Decrease Power: On/OffUp
to 29 Programmable Soft
KeysDay/NVIS

Front Surface: Anti-reflective protective EMI
window
Resistive Touch (Optional)

Input Power: 10 to 36 VDC

Power Consumption: 30 watts typical @ Full
Brightness (less heater)



Temperature: **Operating:** -40 °C to +55 °C,
MIL-STD-810G
Storage: -40 °C to +71 °C,
MIL-STD-810G
Method 501.5/502.5,
Procedure I

Humidity: **Operating:** 5 to 100% RH
MIL-STD-810G, Method 507.5
Procedure I

Altitude: **Operating:** 0 to 42,000 ft.
above sea level MIL-STD
810G, Method 500.5
Procedure II

Vibration: MIL-STD-167-1A, MIL-STD
810G, RTCA/DO-160D

Salt Fog: RTCA/DO-160D Category S,
MIL-STD-810G

Fungus: RTCA/DO-160D Category F

EMI: MIL-STD-461F

Options: Versions without Resistive
touchscreen, or LCD heater,
for applications to -40 °C or
NVIS compliant

Dimensions: 15.25"W x 12.50"H x 2.44" DP

Weight: 13.8 lbs