

5 INCH DISPLAY UNIT

Astronautics' *new* 5 Inch Display Unit (DU) is an AMLCD Display with excellent optical performance for avionic applications. Incorporating modern LCD design technology, the Display provides wide viewing angles and wide color gamut. The Display can be used in both commercial and military aircraft.



GENERAL

The Display includes:

- Color AMLCD with low reflectance
- NVG compatible backlight
- Interface to standard video and communication.

The main features of the Display are:

- Very high resolution
- Anti-Reflection coating for direct view in sunlight.
- Night Vision Goggle (NVG) Compatibility.
- Wide dimming range brightness control for day and night operation.
- Designed to meet stringent Military Standards.

FOR MORE INFORMATION ON THIS OR ANY OF OUR OTHER PRODUCTS/SYSTEMS PLEASE CONTACT:
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OPTICAL SPECIFICATIONS

Useable Display Area	3.5 x 3.5 inch
Resolution	640 x 640 color pixels (RGB)
Luminance	250 fL
Luminance Uniformity	75%
Viewing Angles	±65° horizontal and +65° to -55° vertical
Contrast (no ambient light)	450:1
Reflections (specular / diffused)	1.2% / 0.16%
Shades of grey	8 bit per primary color

ELECTRICAL SPECIFICATIONS

Video Interfaces Available	Standard analog and digital or as required.
Power	28VDC and consume 32W typical, 60W (including heater)

MECHANICAL SPECIFICATIONS

Dimensions	129 x 129 x 150 mm
Mounting	From front with 4 screws
Cooling	By natural convection and radiation
Weight	1.36Kg

ENVIRONMENTAL SPECIFICATIONS

Temperature - operating	-40°C to +55°C continuous; +71°C intermittent
Temperature - storage	-55°C to +85°C
Altitude	0 to 60,000 Feet
Vibration	5g, 50-2000 Hz
Shock	15g, 11 milliseconds
Humidity	Up to 95% at 40°C
EMI/EMC	Per MIL-STD-461E

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