The advanced 5” x 5” AMLCD display functions as a primary flight display offering the high brightness, contrast, and excellent resolution, readability and clarity required in the open configuration of a cockpit. Its outstanding characteristics include 10:1 contrast ratio in full sunlight with a brightness of 250 foot-Lamberts (fL). Fully night vision goggles (NVG) compatible for night mode operation, the AMLCD interfaces with video signals via analog lines or via LVDS digital lines. The display has the capability to interface automatically to multi video standards. The display interfaces via RS-422 or RS-232 serial communication for control and status reports. The compact AMLCD is designed to conserve valuable space without sacrificing performance.

Features

- Full color active matrix LCD
- 5” x 5” display area
- 600 x 600 color groups over display area
- Contrast ratio at direct sunlight: 10:1 @ 10000 FC diffused and 2000 fl specular ambient illumination
- Brightness (white): 250 fL
- Number of gray shades per color: 256
5” x 5” AMLCD
Multifunction Color Display

Technical Specifications

- Video interface:
  - Analog RGB: RS-170, CCIR, RS-343 875 Lines, SVGA
  - Digital: LVDS
- NVG compatibility: Class A and Class B
- Aspect Ratio: 1:1 or 3:4 control
- Communication: serial link RS-422 or RS-232
- Power supply: 28 VDC or 115V 400 Hz 3-phase
- Panel lighting: 0 to 5 VAC, 400 Hz or DC
- Cooling: internal fan or by natural convection and radiation
- Operating temperature range:
  - Per MIL-STD-5400R, Class 1
- Weight: less than 10 lbs
- EMI/RFI: per MIL-STD-461B/E

Multifunction Color Display