

Ruggedized Command & Control Solutions

CommandVu 4500™ Display & Control Module

Monochrome or Color, Video Rate and Daylight Readable LCD

KEY FEATURES

- 10.4" VGA AMLCD (640 H x 480 V)
- SMPTE 170M video interface
- 8 true gray shades
- Night and Daylight readable
- MIL-STD-1275D power supply



L-3 Communications' CommandVu 4500, an ultra-compact and lightweight active matrix liquid crystal display, is the clear choice for severe environment wheeled vehicle system applications. Qualified and field-proven, the CommandVu 4500 features 8 true gray shades, 6-bit data resolution video rate with a 7,500-hour ground-mobile MTBF. The modular CommandVu 4500 product allows for many applications, options, and custom interfaces. The high uniformity light output is ideal for a multitude of vision enhancement sensor viewing applications. A compact 10.47 x 1.25 x 8.98 inches, the CommandVu 4500 weighs only 5 pounds. For the first time, the system integrator, the field user, and the product specifier can realize 8-bit data resolution where it counts... in the field.



Ruggedized Command & Control Solutions

CommandVu 4500™ Display & Control Module

SPECIFICATIONS

Functional

Active Display Area	10.4" diagonal
Resolution	640 H x 480 V
Shades	8 true gray shades
Brightness	0.5 fL to 50 fL
Response Time	25 ms (black to white)
Frame Rate	30 Hz
Contrast Ratio	200:1 at <5 fL ambient
Video Input Format	ANSI/SMPTE 170M-1994

Environmental (MIL-STD-810F)

Temperature	Operating: -37°C to 49°C Non-operating: -46°C to 71°C
Altitude	Operating: 15,000 feet
Humidity Shock	88% condensing at 41°C Functional: 40 g at 11 ms Crash safety: 75 g at 6 ms Transportation shock: Transit drop
Vibration	Functional: 5 - 200 Hz, 1.5 g

EMI MIL-STD-461D

CE102, CS101, CS114,
CS115, CS116, RE102,
RS101, RS103

Physical

Weight	<5.0 lb.
Dimensions	Base configuration: 10.47" W, 1.25" D, 8.98" H (excluding switch guards and connectors)
Color	Black
Cooling	Convection

Electrical

Power Input	16Vdc to 32 Vdc (MIL-STD-1275D)
Power Consumption	<20 watts normal operation, 96 watts during warm-up from -46°C storage including sensor power

Ruggedized Command & Control Solutions

10770 Wateridge Circle
Suite 100
San Diego, California 92121 USA
Phone: 1-800-447-4373

All products or service names herein
are trademarks of their respective owners.
© 2008 L-3 Communications. All rights reserved.
Specifications subject to change without notice. 01/08
CV4500 03/18/08 ver. 1.0



L-3. Leading. Headquartered in New York City, L-3 Communications employs over 63,000 people worldwide and is a prime system contractor in aircraft modernization and maintenance, C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, systems and subsystems. The company reported 2006 sales of \$12.5 billion.

Cleared by DoD/OSR for public release under OSR Case No. 08-S-1720 on 23 June 2008.