Military Rugged LCD Display

We offer an extensive array of **Military Rugged LCD Display** that includes General Rugged Airborne Display Module, Airborne Intelligent Display, Head-Up Display and Airborne TFT LCD.

Airborne LCD display module size is from 3.4"~21", meet the requirement of airborne using environment for LCD display. The company has a number of independent research and development of patent technology,   such as:

A:Secondary cutting technology   B:Optical bonding technology

No bonding   Bonding

General Rugged airborne Display module

Airborne LCD display module size is from 3.5"~21", meet the requirement of airborne using environment for LCD display. he company has a number of independent research and development of patent technology,   such as:

-With low temperature transparent heating technology (company patent);

-The highlight Dual LED backlight technology (company patent);

-Optical bonding technology (company patent);

-The Anti reflection coating (AR) and ITO EMI two-in-one glass;

-Full night-vision compliance (optional)

-Shimmer night vision, the minimum brightness can achieve 0.17 nit;

-Infrared night vision (with double backlight design), comply with MiL - L3009, Type 1 Class

B for Multi - Color (according to the customer request custom)

-BIT technology

-Low air pressure technology

-High reliability and security

-Ultra-low power consumption technology

-Support 4 line, 5 line resistance touch function, or Surface acoustic wave touch   screen

(optional)

Regular items:

1. LD480.480_034_004_B800   2.LD600.600_071_15_B1000

3.LD640.480_065_15_B1500   4.LD1024.768_084_30_B1200

5.LD1024.768_104_040_B1500 6.LD1024.768_120_030_B1500

Product model explanation

For example:LD480.480_034_004_B800:
 LD——LCD display
480.480——Resolution   034——Dimension 3.4 inch.
004——Power consumption 4W under normal temperature.
B800——Max Brightness is more than 800 cd/m2

Head-Up Display that we offer is a transparent display that is provides accurate data to the user without requiring the users to look away from their usual viewpoints. Clarity of image and accurate results are the chief objective of our Head-Up Display. It can be easily mounted and is very easy-to-operate as well.

 LI1HUD is a 1.0 inch LCD image source supporting digital signal input with 1024X768 resolution, it can receive standard RS232 serial port bus data and carry out corresponding operation. It has self-check function for power-on, cycle and instructions, and can output self-check result through bus. By adopting high bright green LED backlight (530nm), its highest brightness exceeds 20000 CD/m2 where as lowest brightness is below 0.5CD/m2. Brightness is adjustable by serial port bus instructions under both day mode and night mode. Image source has excellent anti harsh environment capability and reliability indexes.

Specification

- Resolution: 1024× 768;

- Viewing Angle: H: $\geq \pm 45°$, V: $\geq \pm 45°$;

- Highest Brightness: $\geq$ 15000 CD/m2; Lowest Brightness: $\leq$ 0.5 CD/m2;

- Response Time: $\leq$ 20ms;

- Contrast Ratio: V: $\geq$ 500: 1; Within 75% of viewing angle: $\geq$ 400: 1;

- Normal Temperature Power Consumption: $\leq$ 30W;

- Power Supply Characteristics: +28V± 1.5V;

- Grey Scale: 256.

B:LI018HUD   1.8"

LI018HUD is a 1.8 inch LCD image source,as a military airborne TFT LCD module,it is a high performance LCD module developed aiming at using in Airplane head-up system. It overcomes the bottleneck of LCD panel reprocessing. By using low consumption LCD panel and wide temperature heating technology, it can operate normally in low temperature at -45degree celsius It can display clear pictures even under strong sunshine by adopting LED backlight and anti-reflection technology. Highest brightness exceeds 1000 cd/m2, whereas lowest brightness is only 0.05 CD/m2. Independently patented glass lamination technology has enforced the anti vibration & shock capability of the panel greatly. It supports TTL-232 serial port communication. Vibration and shock conforms to GJB 150-86. EMC conforms to GJB151A-97.