



**PALOMAR
DISPLAY
PRODUCTS, INC.**

Enhanced Biocular Image Control Unit - Upgrade (E-BICU)

Palomar Display Products E-BICU is a drop in, digital, color, upgrade to the legacy Block 1 BICU M1A display.

The E-BICU reuses several of the BICU components such as the chassis, main vehicle harness, and RS-422 interface. It is designed to operate on the same voltage inputs and delivers identical high brightness and biocular optical performance. Due to the enhanced 1080p HD video capability of this upgrade, an HD capable video input connector is added to the rear of the display. In addition, it provides an identical user interface and controls as in the current BICU, assuring this upgrade is transparent to the operator.

The RS-422 interface is identical, with the exception of the contrast and brightness controls which are encoders that modulate internal display functions directly and do not connect to the RS-422 interface as Block 1 currently does.

The proven components meet military standard requirements for robustness and reliability.



Features:

- **Dual Independent 1080p Color Displays**
- **Scalable Multiple Video Input capability**
- **DVI/HDMI (1080p max), RS-170, HD/SD-SDI, and NTSC compatible**
- **Overlay capable**
- **Green Monochrome for legacy compatibility**
- **Bright, large, high quality images**
- **Compact volume, Identical to current Block 1 BICU**
- **Large image, wide field of view provides high system optical magnification**
- **Highly reliable in military vehicle environments**

For more information:

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