

IBAS

IMPROVED BRADLEY ACQUISITION SUBSYSTEM BLOCK 2



ENHANCED TARGET ACQUISITION THROUGH ADVANCED TECHNOLOGY

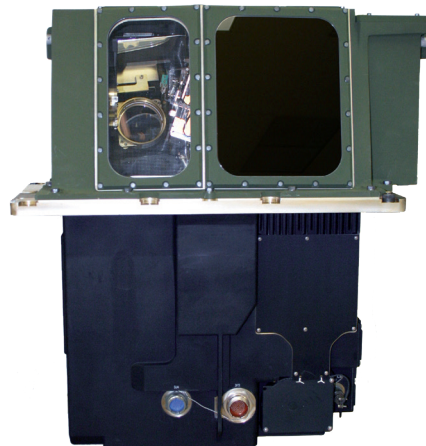
The new Improved Bradley Acquisition System (IBAS) Block 2 includes enhanced capabilities to improve operational efficiencies and lethality and provides life-cycle cost and reliability improvements. The most notable enhancement to IBAS is the high definition high resolution color imagery.

This allows the Warfighter to discriminate objects on the battlefield better than previous standard black and white images. The infrared imagery provides the Warfighter enhanced situational awareness and allows for quicker decisions in demanding military operations when trying to locate and identify targets. Another major advancement is the new Diode Pumped Bradley Eye-safe Laser Rangefinder (DP BELRF), which leverages state-of-the-art technology to provide extended range performance with greater accuracy. The new DP BELRF provides superior reliability and power efficiency. The IBAS Block 2 retains the Second Generation Forward Looking Infrared (FLIR), a TOW tracker, a dual target tracker, and a dual axis stabilized head mirror assembly.

The new Block 2 refinements work seamlessly with the legacy components to allow the Bradley's capability

to defeat the heaviest armored vehicles and to destroy fortified fighting positions at safer distances than before.

The IBAS Forward Looking Infrared uses a Standard Advanced Dewar Assembly (SADA) II. The combination of the DP BELRF and dual target tracker increases the lethality of the Bradley and augments the on-the-move performance of the 25 mm main gun.



IMPROVED BRADLEY ACQUISITION SUBSYSTEM (IBAS) BLOCK 2

FEATURE/BENEFITS

- Second Generation Forward Looking Infrared
- HD Color Day television
- HD Color Bicoular Display
- Enhanced situational awareness, silent watch capability

FEATURE/BENEFITS

- Automatic dual-target tracking
- Eye-safe laser rangefinder
- Dual stabilized head mirror
- SADA II technology

VIEWING

COMPONENT	DESCRIPTION
Video Output	RS-170 Standard and Digital
HTI	Second Generation Forward Looking Infrared
Wide Field of View	13.33° ± 0.67° Horizontal 7.5° ± 0.38° Vertical
Narrow Field of View	3.56° ± 0.18° Horizontal 2.0° ± 0.10° Vertical
SADA II Detector	480 x 4, f/2.50

GENERAL

COMPONENT	DESCRIPTION
Laser Range Finder	Eye-safe ±3 meter Accuracy 20km Maximum Range
Head Mirror	2-Axis Stabilized
Electronic Zoom	2X, 4X
Data Bus	MIL-STD-1553
CCD Camera	Visible / Near IR Color 1920 x 1080 Resolution

IMAGERY COMPARISON

IBAS Block 2 provides an indisputable target identification advantage over legacy Black and White imagery.



IBAS Block 1



IBAS Block 2

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