

# IMPROVED BRADLEY ACQUISITION SUBSYSTEM (IBAS)

## SEE FIRST, UNDERSTAND FIRST, ACT FIRST AND FINISH DECISIVELY

The Improved Bradley Acquisition System (IBAS) provides the Warfighter with a significant improvement over the original TOW 2 targeting system that was used on the ODS Bradley Fighting Vehicle.

The IBAS consists of a Second Generation Forward Looking Infrared (FLIR), a day television camera, a TOW tracker, direct view optics, a dual target tracker, an eye safe laser range finder, and a dual axis stabilized head mirror assembly. These advancements improve 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 BELRF (Bradley Eye-safe Laser Rangefinder) and dual target tracker improves the lethality of the Bradley and enhances the on-the-move performance of the 25 mm main gun.

- Second Generation Forward Looking Infrared
- Day television
- Enhanced situational awareness, silent watch capability
- Direct-view optics
- Automatic dual-target tracking
- Eye-safe laser rangefinder
- Dual stabilized head mirror
- SADA II technology

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## SYSTEM FEATURES

### VIEWING

Display	Biocular
Video Output	RS-170 Standard
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
Aspect Ratio	16:9 and 4:3
SADA II Detector	480 x 4, f/2.50
Direct-View Optics	WFOV - 9.5° minimum NFOV - 2.54° minimum

### GENERAL

Laser Range Finder	Eye-safe, ± 5 meter accuracy
MTBF	330 hours
Head Mirror	2-axis stabilized
Electronic Zoom	2X, 4X
Data Bus	1553
Other	Vis/Near IR CCD Camera



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