

IBAS

IMPROVED BRADLEY ACQUISITION SUBSYSTEM

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.

HIGHLIGHTS

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



IMPROVED BRADLEY ACQUISITION SUBSYSTEM (IBAS)

VIEWING

| COMPONENT | DESCRIPTION |
|--------------------|---|
| Display | Biocular |
| Video Output | RS-170 Standard |
| SADA II Detector | 480 x 4, f/2.50 |
| Direct-View Optics | WFOV - 9.5° minimum NFOV - 2.54° minimum |

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 |

GENERAL

| COMPONENT | DESCRIPTION |
|--------------------|------------------------------|
| 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 |



Electro-Optical Infrared Systems

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