



Above images were taken using genuine Star-Tron® Night Vision Products (MK-880 Camera Kit) and a Nikon D2 Digital SLR Camera.

Advanced Dualband Universal Night Sight™

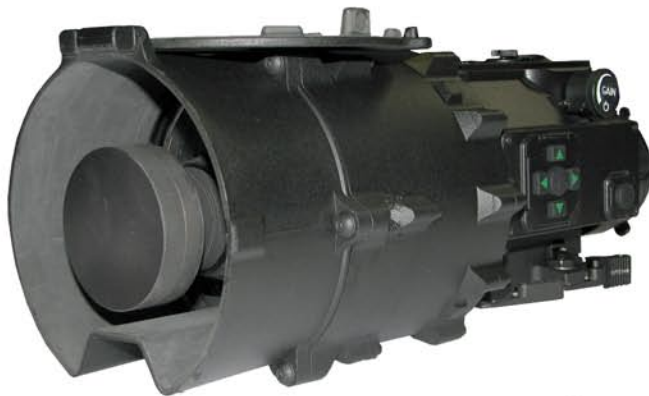
The Advanced Dualband Universal Night Sight™ Sniper (ADUNS-S™) is a high resolution, uncooled infrared and image intensified night vision weapon sight that mounts on any MIL-STD-1913 rail interface forward of an existing dayscope, adding blended thermal and image intensified capabilities to daytime target acquisition platforms.

The blended imagery increases the operator's ability to acquire and track targets in smoke, haze, light foliage, and even total darkness.

The ADUNS-S™ utilizes a Gen 3 image intensifier, a fast catadioptric lens for a brighter and sharper image in starlight, and patented permanent boresight alignment technology.

The unit is installed, operated, and removed without tools and without affecting boresight (permanent boresight alignment).

The unit can be mounted on a spotting scope for long range reconnaissance, hand-held as an observation device, or used in other night-time operations requiring night vision capabilities.



The ADUNS™ Series incorporates OSTI's patent-pending Shock Mitigation System

OSTI OPTICAL SYSTEMS TECHNOLOGY
STAR-TRON® NIGHT VISION PRODUCTS
 a subsidiary of FLIR Systems, Inc.



For Sales & Information

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Advanced Dualband
 Universal Night Sight™ Sniper
 (ADUNS-S™)
 PN: 57242

GSA Schedule
 Contract GS-07F-5566P

System Characteristics

Boresight Characteristics (References I2 & IR Channels)

Accuracy: Factory Aligned to ½ MOA or Better
 Adjustments: None
 Repeatability: Within ½ MOA

System Characteristics

Magnification: Unity
 Optimum Dayscope Magnification: 4X to 12X
 Focus Range: 15 meters to Infinity
 Channel-to-Channel Parallax: None at any range
 I2 Field of View: 8.8°
 IR Field of View: 7.1° H x 5.3° V
 IR IFOV: .75 in. @ 100 m
 IR Objective: 88 mm FL, f/0.88
 VisNIR Objective: 91 mm FL, f/0.97
 Image Intensifier Gain: 75,000 max
 Output Aperture: 40 mm

Physical Characteristics

Shock Mitigation System™ SMS™
 Controls: On/Off/Intensity, Focus, I2-IR-Balance/IR-Mode/Calibrate
 Batteries: 4 AA
 Interface (to MIL-STD 1913): Single Locking Lever
 Length: 10.5 in.
 Weight: Less than 4 lbs.
 Max Height Above Rail: 4.25 in.
 Fully serviceable at depot level.

Thermal Imaging Modes



White Hot
 Thermal (IR) channel displays white as thermally active and black as cool.



Black Hot
 Thermal (IR) channel displays black as thermally active and white as cool.



Outline
 Thermal (IR) channel displays edges of thermally active regions.



Blend
 Thermal (IR) channel displays low intensity white hot imagery with outline overlay.