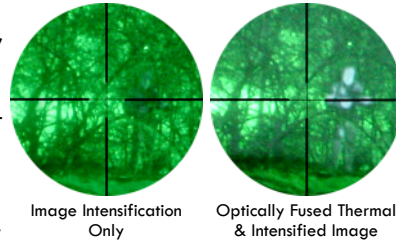




Above images were taken using genuine Star-Tron® Night Vision Products (MK-880 Camera Kit) and a Nikon D2 Digital SLR Camera.

Dualband Universal Night Sight™ (DUNS™)

The Dualband Universal Night Sight™ (DUNS™) is a **patented**, permanently aligned, clip-on, optically fused thermal and image intensified night vision weapon sight that mounts on any MIL-STD-1913 rail interface forward of an existing dayscope. This combination of an intensified image and thermal overlay increases the operator's ability to acquire and track targets in **smoke, haze, light foliage, and total darkness**. The DUNS™, unlike other units of its type, provides the operator the **entire IR field of view** for improved search and acquisition of thermally active targets. The DUNS™ utilizes a full MIL-SPEC Gen 3 (autogated pinnacle) image intensifier tube, wireless remote control, a fast f/1.0 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 a Night Observation Device (NOD), or used in other night-time operations requiring night vision capabilities. Optimized for medium- and long-range sniper weapons including the M24, M11, M107, and 300 Win Mag. Effective on all weapons from carbines to .50 caliber bolt action sniper rifles.



DUNS™ shown installed on the Barrett .50 Caliber Sniper Rifle



DUNS™ Wireless Remote Controls: Focus Adjustment, Balance (IR / 12), Brightness, Black / White Hot

Dualband Universal Night Sight™
(DUNS™)
P/N: 58828



System Specifications

Boresight Characteristics

Accuracy: Factory Aligned to ½ MOA or Better
Retention: Permanent to w/in 1 MOA or Better
Adjustments: None
Repeatability: Within ½ MOA

System Characteristics

Magnification: Unity
Optimum Dayscope Magnification: 1X - 12X
Field of View: 13°
Focus Range: 10 meters to Infinity
Image Intensifier Gain: 1,000 - 75,000

Performance

I2 Resolution (Minimum): 3.2 cy/mr
I2 Resolution (Typical): 3.5 cy/mr

Facial ID Ranges

Starlight, Low Contrast: 75 m
Starlight, Optimum Contrast: 110 m
¼ Moonlight, Low Contrast: 110 m
¼ Moonlight, Optimum Contrast: 135 m

Man Detection Ranges

Starlight, Low Contrast: 740 m
Starlight, Optimum Contrast: 1050 m
¼ Moonlight, Low Contrast: 1060 m
¼ Moonlight, Optimum Contrast: 1340 m

Optical Characteristics

Objective Lens Focal Length: 68 mm
Objective Lens f/Number: f/1.15
Output Optic Exit Pupil Diameter: 40 mm

Physical Characteristics

Shock Mitigation System™ SMS™
Controls: On/Off/Brightness, Focus
IR/12 Mixture, White/Black Hot
Remote: Wireless Remote Operation
Output: External Video Out
Batteries: 4 CR123
Interface (to MIL-STD 1913): Double Locking Lever
Operating Temperature: -30° to +60° C
Submersion: 66 ft. for 2 hours
Length: 10.2 in.
Max Height Above Rail: 3.6 in.
Weight (w/batteries): 72 oz.

OST OPTICAL SYSTEMS TECHNOLOGY
STAR-TRON® NIGHT VISION PRODUCTS



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OMNITECH PARTNERS GROUP

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