MILSIGHT® S140-D ADUNS

Dual-Band I² & Thermal Weapon Sight

APPLICATIONS

TARGET ACQUISITION

RECONNAISSANCE

COVERT OPERATIONS

SURVEILLANCE

SPECIALTY LAW ENFORCEMENT



Designed to mount on any MIL-STD-1913 rail interface forward of an existing scope, the MilSight® S140-D ADUNS (advanced dual-band universal night sight) offers ultimate mission flexibility. Use as a thermal weapon sight, on a spotting scope for long-range reconnaissance, or as a handheld observation device. The ADUNS system offers high-resolution blended thermal and image intensified night vision that provides crisp imagery through total darkness, fog, smoke, dust, and many other obscurants.

Snipers can choose to view targets in either thermal, I2, or blended channels to optimize target detection and recognition. I2 penetrates glass and provides IFF while thermal circumvents camouflage and provides rapid target detection. Configurable with white and green phosphor tubes for high-performance US and exportable versions. White phosphor provides a natural looking scene while high-resolution 72 lp/mm in either green or white phosphor produces sharper scene details for longer-range target engagements.

FEATURES

ADJUSTABLE BLENDING OF IR AND I²

High-resolution blended thermal/image-intensified light night weapon sight provides crisp imagery in complete darkness and under foggy, smoky, or dusty conditions.

BORESIGHT MAINTAINED AFTER WEAPON DISCHARGE

Coaxial design aligns point of aim and point of impact in thermal, I2, and blended views for increased target engagement capability and lethality.

COMPACT, LIGHT, AND RUGGED

Highly portable design reduces operator fatigue and large, rugged controls for basic image adjustments means no complex menus to navigate.

SHOCK MITIGATION MAINTAINS BORESIGHT

The proprietary Teledyne FLIR Shock Mitigation System™ (SMS™) absorbs and dissipates high shock loads while extending tube life and maintaining zero.

MISSION FLEXIBILITY

Functions as a thermal weapon sight, a spotting scope for long range reconnaissance, and a handheld night vision observation device.

SPECIFICATIONS

System Characteristics	SNIPER (S140-D)
Magnification	Unity
Optimum Dayscope Magnification	4x to 12x
Focus Range	15 m 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	0.19 mr
IR Objective	88 mm, f/0.88
VisNIR Objective	91 mm, f/0.97
Image Intensifier Gain	75,000 max
Output Aperture	40 mm
Performance Options	
Available FOM	2000, 2200, >2200
Boresight Characteristics	
Accuracy	Factory Aligned to 1 MOA or Better
Repeatability	Within 1 MOA
Power	
Power requirements	4 each AA Li (L91)
Dimensions, Weight & Mounting	
Shock Mitigation System™ (SMS™)	Standard Feature
Interface (to MIL-STD 1913)	Dual Locking Levers
Dimensions	11.2" (28.5 cm) x 4.6" (11.7 cm) x 4.3" (11 cm)
Weight (w/o batteries)	4.5 lbs (2.25 kg)
Center Height Above Rail	1.5" typical
Interfaces	
Command and Control	On camera and remote pendant
Video	External video - Thermal



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