

UNS-Ts (UNIVERSAL NIGHT SIGHT-THERMAL SNIPER)



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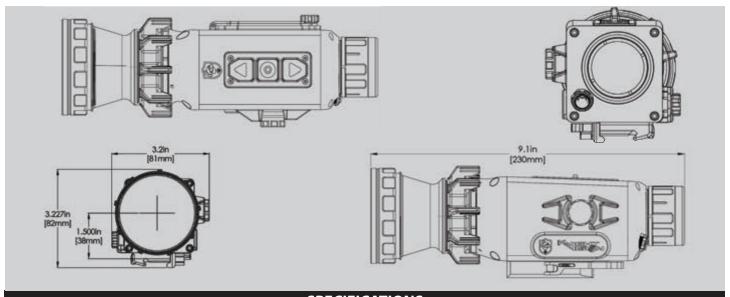
701 Columbia Blvd

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The UNS-Ts Clip on Weapon Sight (WS) adds long range, sniper soldier high resolution (640x480, 17 μ), thermal capability to the existing rifle and day scope by attaching to the picatinny rail. It offers reduced target acquisition times and improve solider effectiveness in daylight and clear air conditions as well as degraded visibility conditions caused by adverse weather, dirty battle field conditions and complete darkness. It's SWaP-C (size, weight and power – cost) architecture design represents a quantum leap forward in soldier systems product technology. In addition to this uncooled VGA video format array, it can be used 1) in conjunction with a DVO interconnectivity, such that the UNS-Ts display output imagery serves as the input for the DVO, 2) as a stand-alone rail mounted Weapon Sight or 3) as a Hand-Held imager.

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SPECIFICATIONS

SIZE: 9.1" (230mm) long, 3.2" (82 mm) high, 1.5" (38mm) to optical centerline

WEIGHT: 2 .01lbs. (.911 kg)

FINISH: Flat Black Matte, Corrosion Resistant, alternate finishes available

CONTROLS: On/Off & Display Brightness control knob

Auto/Manual Sensor Gain and Offset via menu control

3-button Keypad with user menu

3-button Tethered Remote with identical functions as weapon sight Three AA Lithium batteries and extensive power saving features/modes

BATTERY LIFE: 4.5 Hours

POWER:

MOUNT: KAC mount or quick attach / detach to MIL-STD-1913 rail or equivalent

WATERPROOF: 3 ft. for 4 hours
VIDEO: Analog RS-170 (NTSC)
COMMUNICATION: RS-232/422 Serial

OPTIONAL ACCESSORIES: 3 button Tethered Remote with identical functions adding extended power

OPTICAL CHARACTERISTICS

OPERATING MODES: Standalone Thermal Sight with Digital Reticle and Clip-On thermal sight

Disturbed Reticle when Laser Rangefinder data is available

LENS DESIGN: Refractive Germanium

FIELD OF VIEW (FOV): 6.8 degrees

MAGNIFICATION: Unity with 2X digital zoom FOCUS RANGE: 25 Meters to Infinity

BORE SIGHT: Patented (US Patent 7,142,357) alignment technology proven in thousands of delivered sniper sights IR SENSOR: 640 x 480 LWIR VOx, 17 µm pixels (320x240 25 micron 5° FOV is available for export when licensing

requires it)

PERFORMANCE CHARACTERISTICS

RANGE: Recognize a Standing Man under Clear conditions: >2000 m

Recognize a Standing Man under Dirty Battlefield: >1000 m

BORE SIGHT: < 0.5 MOA

BORE SIGHT RETENTION: < 0.5 MOA over temperature, vibration, and weapon firing WEAPONS CERTIFICATION: Tested for use on weapons up to and including .50 caliber rifles

DISTURBED RETICLE: Performs ballistic processing and provides corrected aimpoint via disturbed reticle. Also able to

receive and integrate 2D or 3D wind profile data from laser systems in development.

CHEEK WELD: Unchanged EYE RELIEF: Unchanged BULLET IMPACT: Unchanged

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