

MilSight™ T105 UNS™

AN/PVS-22

UNIVERSAL NIGHT SIGHT



AN/PVS-22 T105 Universal Night Sight (UNS) on Chandler Rifle

APPLICATIONS

- TARGET ACQUISITION
- RECONNAISSANCE
- COVERT OPERATIONS
- SURVEILLANCE
- SPECIAL LAW ENFORCEMENT

FEATURES

- Compatible with Standard Sight
- Multi-use design
- Optimized for medium and long-range sniper weapons
- Built-in image intensifier protection for added longevity
- Small and lightweight
- Simple operation
- No special batteries required
- It's all FLIR inside

BENEFITS

- Designed to mount on any MIL-STD-1913 rail interface forward of an existing scope, adding night vision capabilities to target acquisition platforms
- Offers mission flexibility as a high-resolution night vision weapon sight, 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
- Effective on all weapons from carbines to .50 caliber semi-automatic and bolt action sniper rifles, including the M110, MK11, M16, SCAR-H, M240, 300 Win Mag, XM107, .300 Lapua, .308 M24, Chandler, and McMillan Brothers
- Includes FLIR's proprietary Shock Mitigation System™ (SMS™), allowing the unit to be used on weapons up to and including .50 caliber bolt-action rifles
- Highly portable design reduces operator fatigue
- Large, rugged controls for basic image adjustment, no complicated menus to navigate
- Runs on common AA batteries
- FLIR controls the entire supply chain on the critical technology inside the UNS sight ensuring fast service and long term support



UNS™

MilSight™ UNS™

SYSTEM CHARACTERISTICS

Magnification	Unity
Optimum Dayscope Magnification	1x to 12x
Focus Range	10 m to Infinity
Field of View	13°
Image Intensifier Gain	1,000 – 75,000

BORESIGHT CHARACTERISTICS (REFERENCES I2 & IR CHANNELS)

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

PHYSICAL CHARACTERISTICS

Shock Mitigation System™ (SMS™)	
Operating Temperature	-30° to +60° C
Submersion	66 ft. for 2 hours
Interface (to MIL-STD 1913)	Single Adjustable Locking Lever Mount

POWER

Power requirements	2 AA
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DIMENSIONS, WEIGHT & MOUNTING

Interface (to MIL-STD 1913)	Single Locking Lever
Length	7.29"
Weight (w/o batteries)	32 oz
Max Height Above Rail	3.08"

INTERFACES

Command and Control	On/Off/Gain, Focus
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PERFORMANCE

Resolution (Minimum)	3.2 cy/mr
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

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