



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

## AN/PVS-22 Universal Night Sight™ (UNS™)

The AN/PVS-22 Universal Night Sight™ (UNS™) is a high-resolution clip-on night vision weapon sight that mounts on any MIL-STD-1913 rail interface forward of an existing scope, adding night vision capabilities to daytime target acquisition platforms. The Universal Night Sight™ (UNS™) utilizes a full MIL-SPEC Gen 3 (autogated pinnacle) OMNI-7 image intensifier tube, a fast f/1.15 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. The UNS™ includes OSTI's proprietary Shock Mitigation System™ (SMS™), allowing the unit to be used on weapons up to and including .50 caliber bolt-action rifles. Optimized for medium-range sniper weapons, assault rifles and machine guns including the M110, MK11, M16, SCAR-H, M240, 300 Win Mag, XM107, MK11, .338 Lapua, .308 M24, Chandler, and McMillan Brothers .50 Caliber Bolt-Action Rifle.



AN/PVS-22 UNS™  
shown on Chandler Rifle

**Detect a Vehicle:**  
In Starlight up to **2470** meters  
In ¼ Moonlight up to **3170** meters

**Detect a Man:**  
In Starlight up to **1050** meters  
In ¼ Moonlight up to **1340** meters

AN/PVS-22 UNS™  
MIL-SPC Gen 3 Auto-Gated Pinnacle  
NSN: 5585 01 531 5726  
P/N: 55883



## System Specifications

### Boresight Characteristics

Accuracy: Factory Aligned to ½ 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

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

### Physical Characteristics

Shock Mitigation System™ SMS™  
Controls: On/Off/Gain, Focus  
Batteries: 2 AA  
Operating Temperature: -30° to +60° C  
Submersion: 66 ft. for 2 hours  
Length: 7.29 in.  
Max Height Above Rail: 3.08 in.  
Weight (w/o batteries): 32 oz.

**Interface to MIL-STD-1913:**  
LaRue Single Adjustable Locking Lever Mount



Contact Information:  
Mike Matzko, Sales & Marketing  
Phone: 724-295-2880 x227  
Fax: 724-295-3366  
Email: sales@omnitechpartners.com  
www.omnitechpartners.com