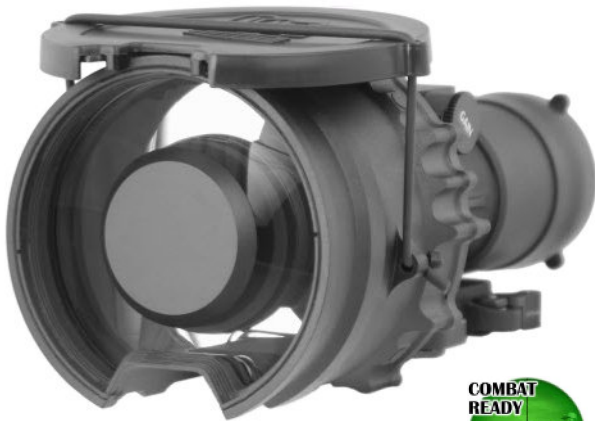




Above images were taken using genuine Star-Tron® Night Vision Products (MK-880 Camera Kit) and a Nikon D2 Digital SLR Camera.

## AN/PVS-27 Magnum Universal Night Sight™ (MUNS™)

The AN/PVS-27 Magnum Universal Night Sight™ (MUNS™) 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 Magnum Universal Night Sight™ (MUNS™) utilizes a full MIL-SPEC Gen 3 (autogated pinnacle) OMNI-7 image intensifier tube, an extremely fast f/1.0 catadioptric lens for a brighter and sharper image in starlight, and patented permanent boresight alignment technology. The MUNS™ gathers twice as much light as the AN/PVS-22 Universal Night Sight™ (UNS™) and can be used against targets at 1.5 times the range of the AN/PVS-22. 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- & long-range sniper weapons including the M110, SR-25/MK11, XM107, .338 Lapua, .308 M24, Chandler & .300 Win Mag. Effective on all weapons from carbines to .50 caliber semi-automatic and bolt action sniper rifles. The MUNS™ 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.



### Detect a Vehicle:

In Starlight up to **3150** meters  
In ¼ Moonlight up to **4070** meters

### Detect a Man:

In Starlight up to **1350** meters  
In ¼ Moonlight up to **1730** meters



AN/PVS-27 MUNS™ shown on  
McMillan Brothers .50 Caliber  
Bolt-Action Sniper Rifle



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**AN/PVS-27 MUNS™**  
**MIL-SPEC Gen 3 Auto-Gated Pinnacle**  
**NSN: 5855-01-547-9489**  
**P/N: 55837**

## 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: 3X - 20X  
Field of View: 10°  
Focus Range: 15 meters to Infinity  
Image Intensifier Gain: 1,000 - 75,000

### Performance

Resolution (Minimum): 4.2 cy/mr  
Resolution (Typical): 5.0 cy/mr

### Facial ID Ranges

Starlight, Low Contrast: 100 m  
Starlight, Optimum Contrast: 140 m  
¼ Moonlight, Low Contrast: 140 m  
¼ Moonlight, Optimum Contrast: 180 m

### Man Detection Ranges

Starlight, Low Contrast: 970 m  
Starlight, Optimum Contrast: 1350 m  
¼ Moonlight, Low Contrast: 1380 m  
¼ Moonlight, Optimum Contrast: 1730 m

### Optical Characteristics

Objective Lens Focal Length: 92 mm  
Objective Lens f/Number: f/1.0  
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: 33 ft.  
Length: 8.7 in.  
Max Height Above Rail: 3.75 in.  
Weight (w/o batteries): 50 oz.

### Interface to MIL-STD-1913:

LaRue Adjustable Double Locking Lever Mount