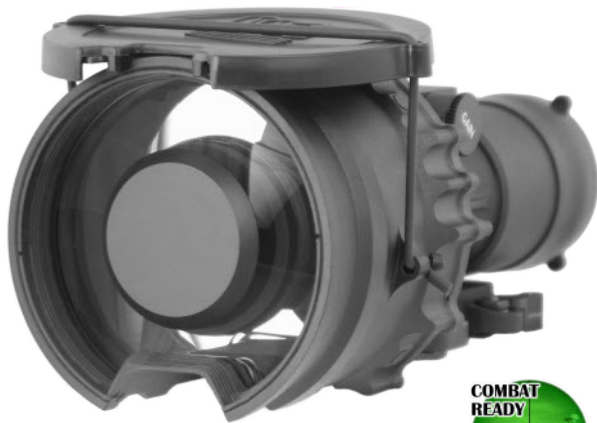




Above images were taken using genuine Star-Tron® Night Vision Products (MK-880 Camera Kit) and a Nikon D2 Digital SLR Camera.

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 Gen 3 1600 FOM 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 **2990** meters
In ¼ Moonlight up to **3950** meters

Detect a Man:
In Starlight up to **1280** meters
In ¼ Moonlight up to **1680** meters



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

AN/PVS-27 MUNS™
Gen 3 1600 FOM Image Intensifier
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: 95 m
Starlight, Optimum Contrast: 130 m
¼ Moonlight, Low Contrast: 135 m
¼ Moonlight, Optimum Contrast: 170 m

Man Detection Ranges

Starlight, Low Contrast: 910 m
Starlight, Optimum Contrast: 1280 m
¼ Moonlight, Low Contrast: 1310 m
¼ Moonlight, Optimum Contrast: 1680 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, 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



OPTICAL SYSTEMS TECHNOLOGY
STAR-TRON® NIGHT VISION PRODUCTS



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OMNITECH PARTNERS GROUP

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