

Model 2740

Low Profile Night Vision Monocular (LPNVM)



The Model 2740 Low Profile Night Vision Monocular (LPNVM) is the monocular version of the AN/PVS-21 Low Profile Night Vision Goggle and maintains all the same powerful features. Designed for aggressive special operations capability. It is battle-proven. The Model 2740 LPNVM is one of the most rugged systems available.

The Low Profile Night Vision Monocular has been designed for aggressive special operations capability in air, water, and land environments. The patented low profile design offers 3-4 inches less protrusion than a conventional night vision monocular, enabling a wide range of mission applications.



Model 2740 LPNVM Features



Low Profile Night Vision Monocular (LPNVM)

PHYSICAL FEATURES

Battery Power

AA battery, 1.5 - 3.6 V alkaline or lithium

Mechanical Adjustments

- Tilt – 14° on the goggle
- IPD – 55 mm to 8 mm

Dimensions

Depth is less than 8 cm (3.15 in.)

Weight

440 g (15.5 oz.)

Auxiliary Illumination Source

IR LED – Off/Low/High

Mounts

- Precision, quick-release mounting on helmets and head harnesses
- Integrated HUD port for sensor integration

OPTICAL PERFORMANCE

Intensified Field of view

40°

Unaided Field of View

165° horizontal and 90° verticle

Objective Focus

33 cm to infinity

System Resolution

1.3 cy/mr minimum (1.4 or greater typical)

Exit Pupil

10 mm on axis

Eye Relief

15 mm

ENVIRONMENTAL FEATURES

Operating Temperature Range

-30°C to 52°C
(-22°F to 126°F)

Operating Altitude

Sea Level to 35,000 ft.

Submersibility

3 m (9.8 ft) standard / to
10 m (32 ft) optional

EMI / EMC

Mil-std-461, Class A#, REO2,
RSO2 and RSO3

SPECIAL FEATURES

- Sensor overlay technology and low-profile
- Available in either left- or right-hand configurations
- Eliminates vertigo and tunnel vision associated with conventional systems
- Reduced center of gravity for great comfort and extended wear
- Enhanced situational awareness with sensor integration
- See-through optics instantly transition to bright light
- Heads up display
- Thermal sensor integration

APPLICATIONS

- Parachute operations (free fall and static line)
- Urban/Close-quarters battle operations
- Aggressive ground use over rugged terrain
- High-speed vehicle operations (ground, water, air)



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