

AN/PVS-21

Low Profile Night Vision Goggle



The AN/PVS-21 Low Profile Night Vision Goggle (LPNVG) 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 conventional night vision goggles enabling a wide range of mission applications.

The versatile AN/PVS-21 with its low profile, see-through technology, adapts to any mission or environment. Ideal for high-speed vehicle operation, parachute jumps and aggressive use over rough terrain. Large, un-intensified field-of-view improves depth perception and close-quarter battle capabilities.



AN/PVS-21 Features



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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

Weight

760 g (26.8 oz.)

Auxiliary Illumination Source

2 IR LEDs – 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 70°C
(-22°F to 158°F)

Storage Temperature Range

-40°C to 80°C
(-40°F to 176°F)

Submersibility

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

SPECIAL FEATURES

- Low-profile, see-through technology
- 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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