



THE O'GARA GROUP

SENSOR SYSTEMS DIVISION

MODEL 2740

LOW PROFILE NIGHT VISION MONOCULAR

SENSOR FUSION, LOW PROFILE, SEE-THROUGH TECHNOLOGY

- Low profile design significantly enhances night mobility
- See-through optics instantly transition to bright light
- Enhanced situational awareness with sensor integration
- Battle proven. The most rugged system available
- Large un-intensified field of view
- Improved depth perception and close-in field of regard
- Eliminates vertigo and tunnel vision of conventional systems
- Reduced center of gravity for comfortable, extended wear

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OPERATIONAL CAPABILITIES

The Model 2740 Low Profile Night Vision Monocular is the monocular version of the AN/PVS-21 Low Profile Night Vision Goggle and maintains all the same powerful features, including Sensor Fusion capability. 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:

- Aggressive ground use over rugged terrain.
- High-speed vehicle operations (ground, water, air).
- Urban/Close Quarters Battle operations.
- Enhanced situational awareness through sensor fusion.
- Parachute operations (free fall and static line).

PHYSICAL FEATURES

Less than 8cm in depth.

Left or Right hand configurations.

Adjustments:

tilt - 14° on the goggle

ipd - 55mm to 80mm

Weight:

440 grams

Aux. Illumination Source:

IR LED - off/low/high

Power:

single AA battery 1.5-3.6V alkaline and lithium batteries are interchangeable

Mounts:

precision, quick-release mounting on helmets and head harnesses

Integrated HUD port for sensor fusion.

OPTICAL PERFORMANCE

Intensified Field Of View (FOV):

40°

Un-Aided FOV:

165° horizontal and 90° vertical

Objective Focus:

33cm to infinity

System Resolution:

1.3 cy/mr minimum (1.4 or greater typical)

Exit Pupil:

10mm on axis

Eye Relief (approximate):

15mm

ENVIRONMENTAL SPECS

Operating Altitude:

sea level to 35,000ft

Operating Temperature:

-30°C to +52°C

Immersion:

3m standard; 10m optional

EMI/EMC:

mil-std-461, class A#, REO2, RSO2, and RSO3

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