



# THE O'GARA GROUP

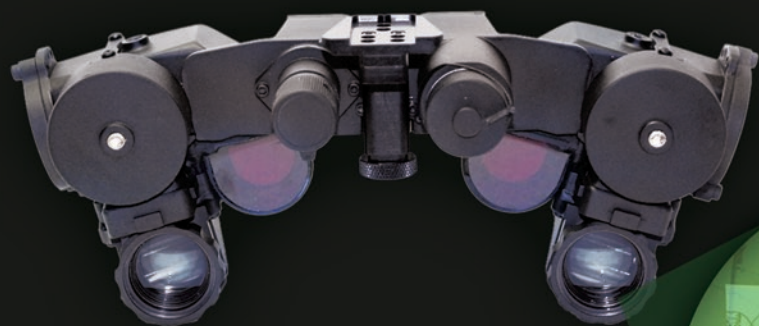
SENSOR SYSTEMS DIVISION

## AN/PVS-21

LOW PROFILE NIGHT VISION GOGGLE

### 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



## OPERATIONAL CAPABILITIES

The AN/PVS-21 Low Profile Night Vision Goggle 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:

- 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.**

**Adjustments:**

- tilt - 14° on the goggle
- ipd - 55mm to 80mm

**Weight:**

760g

**Aux. Illumination Source:**

two IR LEDs - 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 special

**EMI/EMC:**

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

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