

DPVS

DIGITAL NIGHT VISION GOGGLES

FEATURES

- Fully digital low-light sensor platform
- Compact dual-channel binocular configuration
- Common helmet interface with IPD adjustment & quick-disconnect
- Rear helmet-mounted battery improves balance, reduces neck strain
- Connects to Command & Control systems such as ATAK
- Augmented Reality overlays & outside sensor fusion
- Clear vision through degraded conditions & near total darkness



SEE SHARPER. MOVE SAFER. STAY CONNECTED.

The new Digital PVS Night Vision Goggles developed by Sage Technologies is a passive electro-optical night vision imaging device in a familiar compact binocular configuration. It encompasses the specialized mission aspects that analog Night Vision Goggles like PVS-31 have, while using a fully digital low-light sensor and an on-board digital computing platform, all in a compact, light package similar in size to existing dual-tube analog NVG systems.

The DPVS uses a common mechanical interface to most helmets, with Interpupillary Distance (IPD) adjustments and quick-disconnect features for safety.

The goggles receive power from a battery pack mounted on the rear of the soldier's helmet, shifting the center of mass toward the wearer's neck for a more ergonomic balance and reduced neck strain.

Upgradable software improves visibility and operator situational awareness in all mission conditions. The digital platform can connect to Command & Control systems such as Android Team Awareness Kit (ATAK), and display graphic instructions and messages in real time. Built on a Modular Open System Approach, software enhancements can add Augmented Reality and AI features.

DPVS

DIGITAL NIGHT VISION GOGGLES

FEATURES

- Fully digital low-light sensor platform
- Compact dual-channel binocular configuration
- Common helmet interface with IPD adjustment & quick-disconnect
- Rear helmet-mounted battery improves balance, reduces neck strain
- Connects to Command & Control systems such as ATAK
- Augmented Reality overlays & outside sensor fusion
- Clear vision through degraded conditions & near total darkness

DIGITAL VISION, DELIVERED

DPVS pairs a fully digital low-light sensor with an on-board computing platform to deliver the mission capability of analog Night Vision Goggles in the same compact, familiar footprint with a clear upgrade path built in.

SENSOR & DISPLAY

- Digital, upgradable low-light sensor platform
- Color, high-contrast Organic Light-Emitting Diode (OLED) display
- Visibility maintained through degraded conditions & near total darkness

MOUNTING & ERGONOMICS

- Common helmet interface with IPD adjustment
- Quick Break-away feature for safety
- Rear helmet-mounted battery improves center-of-mass balance and reduces neck strain

CONNECTIVITY & SOFTWARE

- Connectivity to command, control, and communications systems such as ATAK, for real-time graphic instructions and messages
- Modular Open System Approach for software upgrades
- Optional Augmented Reality features: Obstacle detection, feature outline, outside sensor fusion, weapon, & targeting
- External device integration including air launched effects integration
- Software-defined platform, new capability features added through upgrades on a Modular Open System Approach



TECHNOLOGY AT A GLANCE

Dimensions	3 in x 5.25 in x 5 in
Weight	535 g
Field of View	40° Approx
Display	Color OLED
Power	Removable, helmet-mounted battery pack
System Latency	<15ms
Environmental	Designed for MIL-STD-810H* *Qual pending
Patent	US Patent Application 63/734,457