

FBNVG8 Helmet Mounted Fusion Night Vision



The binocular night vision device with an integrated thermal imaging channel offers image overlay and combines the advantages of both technologies in one device.

Due to the additional thermal imaging channel, objects that stand out from their surroundings on the basis of their temperature can be detected much earlier and without the presence of residual light. With a pure residual light amplifier, it is necessary to switch on an infrared brightener under poor conditions. This makes it very easy to detect the user. This risk is minimized with fusion technology.

Thanks to compass and GPS, it enables the use of AR (augmented reality). This enables an augmented perception of reality. Furthermore, data can be imported into the device and displayed, such as text messages, positions, time or videos.

A picture-in-picture function allows a captured image from an external device, such as a thermal imaging target, to be played back wirelessly into the night vision goggles.

The sensitive detector with a resolution of 640x512 provides a very high level of detail and thus an increased range. Numerous modes such as Black/Hot, Target Enhancement and Outline allow the user to optimally adapt the device to a wide variety of situations. With the external battery compartment, a runtime of min. 8 hours to max. 60 hours is achieved. The weight of the night vision device (without power supply) is only 530 g. A very large exit pupil and a tube with optional green or black and white image display allows a long and pleasant use.



Specification:

Optical

Magnification: 1×

Focus length: 16mm

Focus range: 25cm ~ +∞

FOV: 40°

IR FOV: 25.9° × 20.9°

Exit Pupil: 25mm

Dioptre adjustment : +2/-4

Picture in picture



Performance:

ITT: Gen 2/Gen 3

Thermal: 640×512-12 μm

Mode: White hot, out standing, outline

Fast acquisition of target: yes

Information display: yes

Flip up: yes

IPD : yes

Navigation and positioning : yes

Night vision intensified



Physical:

Dimension: 107×115×85mm

Weight: 525g (binocular) /320g (battery + cable)

Endurance: 8H (fusion) ,100H (night vision)

Power: battery

Blue teeth: support

Interface: L4G24

Fast target acquisition

