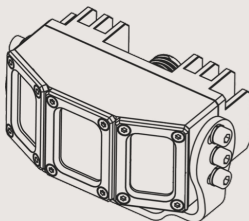


Raven

IR/SWIR Illuminator

ISO 9001:2015



P/N: XRA-00-14-02

NSN: 6220-22-635-4322



WISELED

Illumination patterns



Field of view



The **RAVEN**'s illumination pattern is defined by precision optics that produce a controlled, squared light image with uniform irradiance across the field of view.

This geometry is specifically designed to align with typical NVG sensor formats, reducing edge falloff, and minimizing unused illumination.

The result is efficient infrared output, predictable coverage, and consistent visibility across varying operational distances, supporting stable performance in dynamic night-time environments.

Wavelengths

- 850nm
- 940nm
- 1550nm

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Purpose-built Infrared Lightening

The **RAVEN** Infrared vision enhancement illuminator is a revolutionary tool meticulously designed for nighttime operations, significantly elevating drivers' vision and situational awareness under low-light conditions.

Its uniquely engineered, perfectly shaped light image allows for "daylight speed" navigation even during the darkest hours, effectively mitigating visibility challenges and potential hazards.

This capability is particularly valuable in environments where clear vision is crucial for safety and operational efficiency.

When used in conjunction with Night Vision Goggles (NVGs), the RAVEN's squared light image further optimizes driving performance by providing a clearer and more defined field of view.

Additionally, the RAVEN enhances overall situational awareness for pan-tilt units, making it an indispensable asset for maintaining operational readiness and security in a variety of settings.

Options

- Magnetic mounting brake
- Bracket
- Cable set

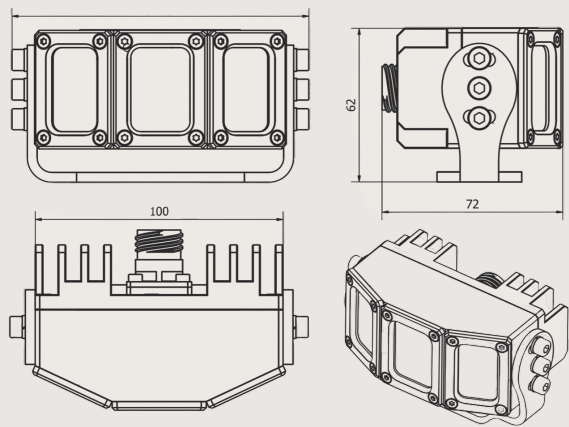
Wavelengths

- 850nm
- 940nm
- 1550nm

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RAVEN measurements



RAVEN specifications

Height	48 mm
Width	100 mm
Depth	67 mm
Weight	600 gram
Surface treatment	Alu Hard Anodized MIL A8628 Type III Class 2 Black.
MILSTD	461G/810H/1275E
Power consumption	25W
Standby power consumption	Less than 3 W
Input range (DC)	18-32V
Divergence	80 degrees horizontal, 30 degrees vertical
Wavelength options	UV / 850nm / 940nm / 1550nm /
Connector	MIL-DTL 38999 series
Glass	Glass Depending on selected wavelength/output option

About Wiseled

Since the founding of **Wiseled** in 2003, the company has evolved into an internationally recognised provider of **LED and laser illuminators**. This has been achieved by means of continuous research and development, engineering and manufacturing excellence, and a steadily growing range of products for the military, maritime and security markets.

Our products are designed for various applications, including integration with optic and sensor modules to enable operations in extreme environmental conditions.

Our solutions enhance operator's ability to observe, detect and engage targets with increased accuracy and reduced collateral damage.

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