

A simple solution for complex projects

Capable, accurate, intelligent,
tough and cost-effective.



on rotection



Nevelus Detector

An autonomous motion-triggered high dynamic range camera system.

Full HD day images

- 1920x1080 pixel crystal clear colour images.
- Internal storage for 2000 full quality RAW images.

Reliable and secure 2.4GHz low-power radio

Fast data transfer for up to 500m / 545yd with a line of sight or circa 100m / 109yd obstructed.

HQ night images

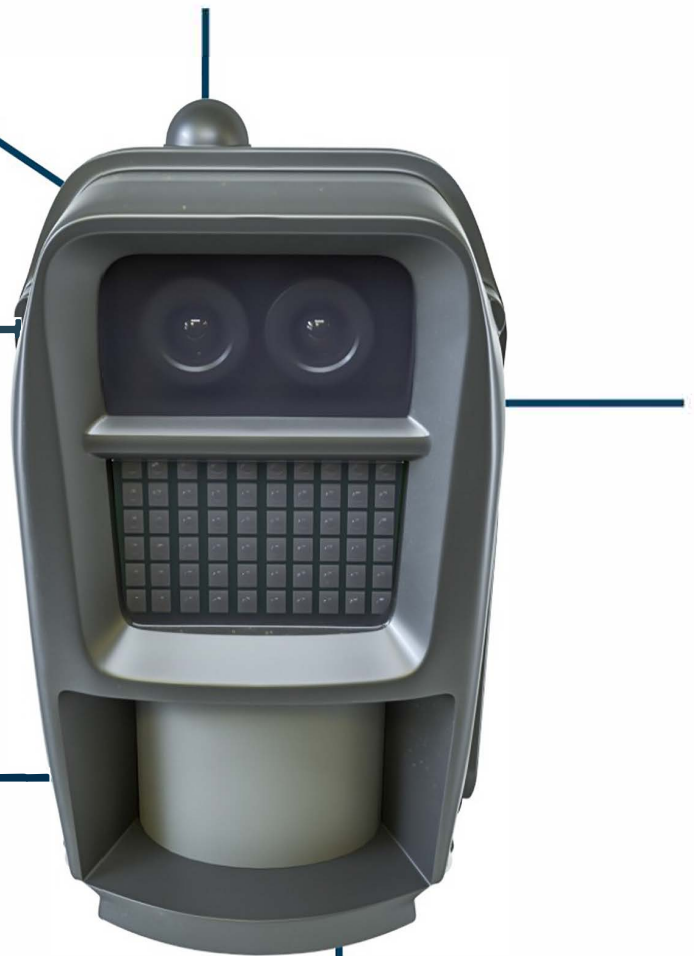
- 1280x960 pixel high-quality monochrome images.
- Powerful 940nm near-infrared flash illumination.
- Person visible up to 30m / 98ft away in complete darkness.

Significantly reduced false alarms

- 30m / 98ft detection range.
- Remote adjustable detection sensitivity.
- Artificial intelligence based on threat recognition.

Rugged & lightweight

- Field-tested from -40°C to +60°C / -40°F to 140°F.
- Light yet tough IP67 enclosure.



Installs in minutes

- Simple three-step installation.
- Easy and adjustable for directional fine tuning.



Impressive battery life

Battery life up to 400 days or up to 50,000 events.

Additional power options

Add a solar panel, an extra battery pack or a mains charger for an even longer autonomous operation.



Quality Images

The two different cameras inside the Detector capture images in all light and weather conditions. A colour daytime camera captures clear HD images during the day, a monochrome HQ camera during low light conditions and an infrared flash illuminates the area in case of darkness.

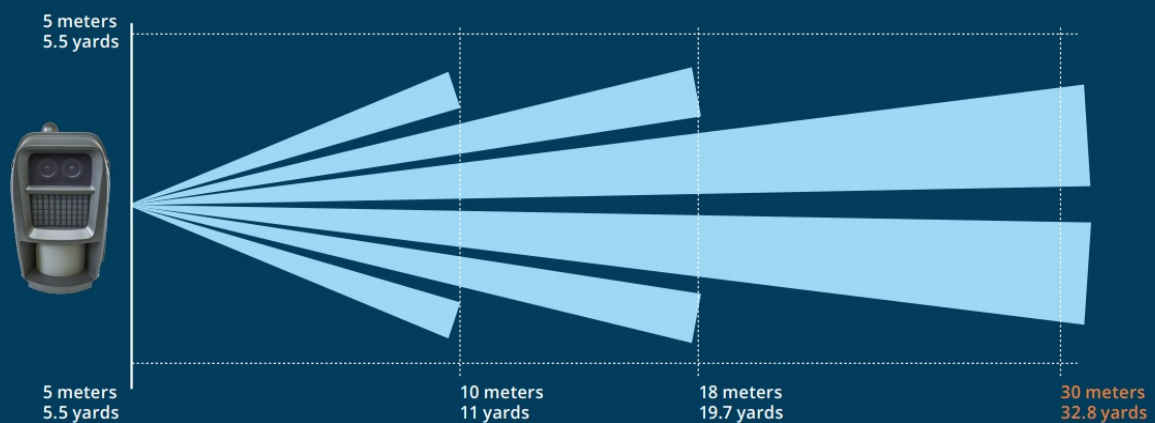
- ① 1920×1080 pixels day / 1280×960 pixels night photo
- ① Up to 2000 RAW images stored in internal memory
- ① Cloud managed remote image size configuration from anywhere
- ① Thumbnail only mode for an extremely long battery life



Advanced Motion Detection

The Detector combines a passive infrared (PIR) sensor with signal analysis to monitor the area for thermal signatures. If motion is detected, an alarm is generated and the camera is activated.

- ① 35m / 38yd / 115ft detection range
- ① 95% detection probability (person speed 0.4 m/s / 0.9 mph, ambient temperature 36 / 96.8°F)
- ① Artificial intelligence backed sensitivity algorithms
- ① Low false alarms due to machine learning
- ① Digital signal processing



Simple & fast Installation

The installation and adjustment of the Detector take just minutes. Just insert the batteries and the Detector starts monitoring the area.

- ⦿ Multiple mounting possibilities
- ⦿ Easy manual adjustment for directional fine-tuning
- ⦿ Simple, visual, coverage preview and adjustment

Mounting Plate

A plate for mounting a Detector, Bridge or Siren using cable/zip ties or screws for installation on metal, concrete and poles etc.



Replacement Battery

An extra battery for a Detector, Bridge or Siren.



How does it work?

Nevelus BlasT Detectors use passive infrared (PIR) sensors and signal analysis to track thermal signatures across the monitored area.

Once motion is detected the Detector activates the appropriate camera for available light conditions, captures an image and generates an alarm. Move from detection to controlled protection in seconds.

- 🎯 Detect
- 🎯 React
- 🎯 Protect

