



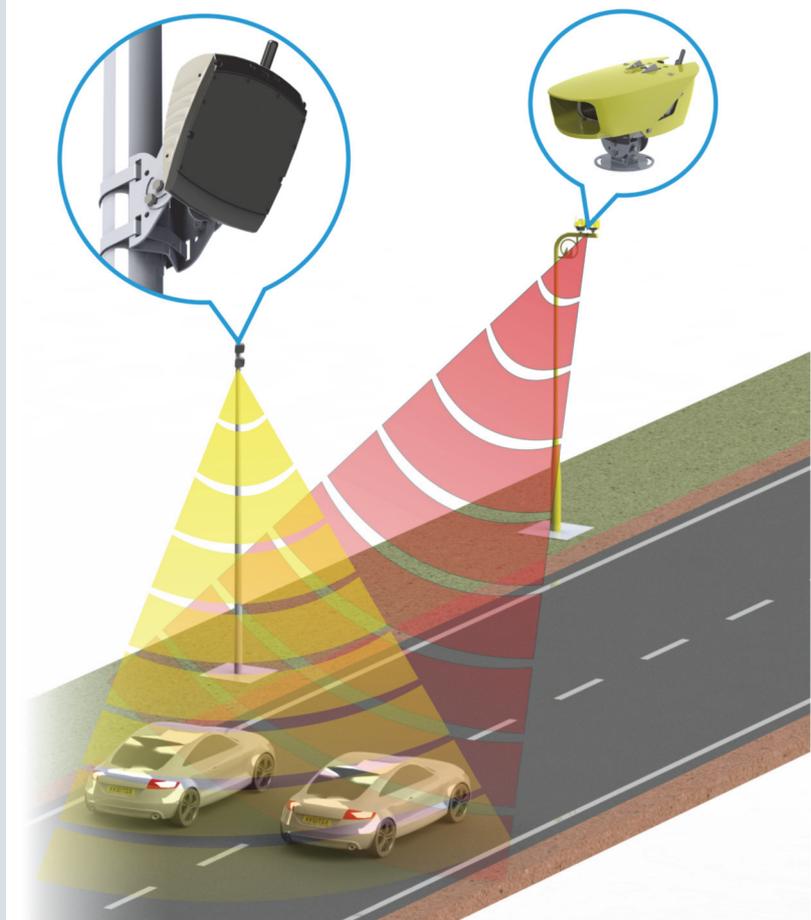
# VECTOR-IR Floodlight

## Synchronised Infra-Red Lighting Module for VECTOR ANPR.

VECTOR-IR is an innovative, patented lighting solution that works with the VECTOR ANPR family of cameras. Small, lightweight and low-powered, VECTOR-IR allows for the capture of crisp, clear images during the hours of darkness, even on roads that have no visible street lighting. Ideal for enforcement & security applications.

### Key Features

- Invisible to the naked eye
- Synchronises with VECTOR camera
- Minimal power consumption
- No dazzling flash or pool of light
- Produces images in darkness
- Lightweight and compact
- Multiple mounting options

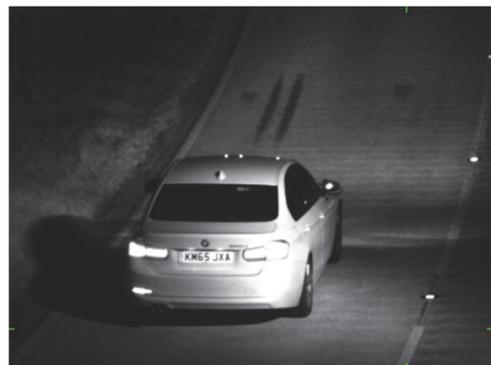


ANPR Scene Illuminator

The VECTOR IR floodlight provides discreet yet powerfully effective night time illumination to help generate high quality, monochrome vehicle context images at night, to complement ANPR images captured by Jenoptik's VECTOR cameras. The floodlight uses a lensed array of infra-red LEDs to project a pool of light onto the target vehicle as it passes through the capture point.

**Key features of the VECTOR-IR floodlight:**

- Infra-red light is effectively invisible to the naked eye, so there is no driver distraction or light pollution. Installations are discreet and covert.
- The IR LEDs are pulsed synchronously with the camera's frame rate, which leads to dramatically lower power consumption, much less wasted energy and reduced operating costs, compared to generic "always on" floodlights.
- Synchronisation between the camera and VECTOR-IR is achieved wirelessly. Therefore, no cabling is required between the camera and the VECTOR Floodlight, which may be located up to 25m away from the camera location. This represents a significant cost and time saving during installation.



## VECTOR-IR Specification

<b>Dimensions:</b>	Excluding bracket: Height: 193mm, Width: 169mm, Length: 112mm.
<b>Weight:</b>	2.9kg (excluding mounting bracket).
<b>Power:</b>	48VDC nominal. 23W typical when synced to VECTOR camera.
<b>Operating Temperature:</b>	-20°C to +55°C (80% humidity above +20 °C).
<b>Ingress Protection:</b>	IP67.
<b>Mounting Options:</b>	3 axis adjustable bracket, with options for 1-4 modules per location.
<b>Connectivity:</b>	Primary connector (8 way female); Power, RS485. Up to four VECTOR-IRs can be daisy chained together to minimise cabling.

VECTOR-IR has been developed to be simple to install and operate, allowing Police and enforcement authorities to capture excellent scene overview images on a dark road.

To accommodate different carriageway types, VECTOR-IR can be used as a single lamp unit (illuminating a single narrow lane) or in an array of multiple lamps, allowing multi-lane carriageways to be illuminated.

Over 1,000 VECTOR-IR lamps have been delivered to date, with sites operational worldwide.



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