



## SPECS3 VECTOR

### Compact 'two lane' camera for networked section control

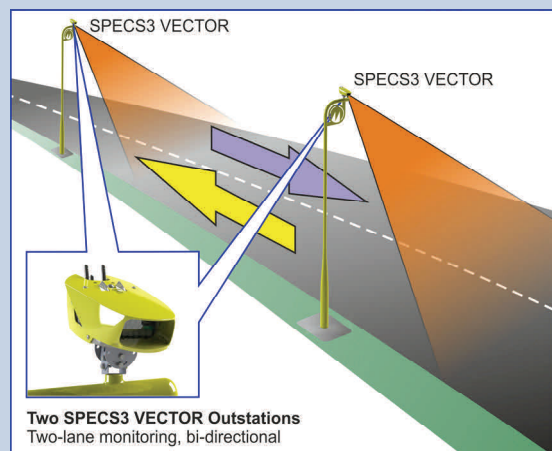
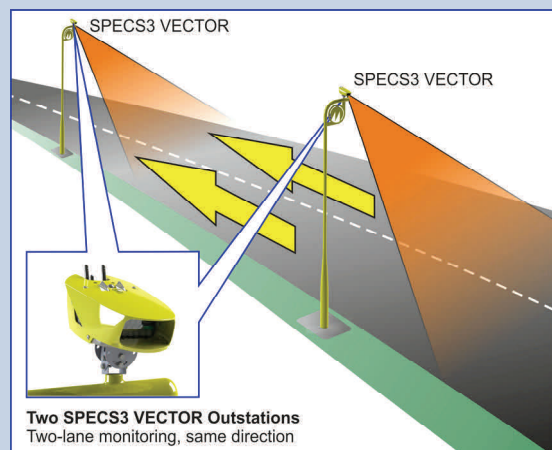
SPECS3 VECTOR is the very latest in average speed enforcement technology. Safe, smooth traffic flows can now be delivered wherever there is a requirement.

SPECS3 VECTOR integrates decades of ANPR and enforcement experience into a single sophisticated unit. Two high resolution camera modules inside provide ANPR and scene overview images, including day/night mode, allowing capture, even on a completely dark road. Images and data are transferred back to a centrally hosted ERCU via a range of communication methods, including wireless technologies.

#### Key Features

- No Need for a cabinet
- Compatible with SPECS3
- Low power consumption
- High resolution cameras
- Day/night mode operation
- Large operational envelope
- Multiple mounting options

Traffic technology solutions to improve roads, journeys and communities



The high resolution camera modules in SPECS3 VECTOR allow two lanes of traffic to be monitored by each unit.

Networked Average Speed Enforcement

## SPECS3 VECTOR - Ease of Use

VECTOR is fully compatible with SPECS3 and SPECS3 POD systems, allowing for a single ERCU to receive data captured from both VECTORS and cabinet supported SPECS3 sites. In this way, an operator can combine a number of enforcement approaches; fixed VECTORS and re-locatable PODs, providing a flexible and 'fit for purpose' design.

**Mounting:** SPECS3 VECTOR can be installed in a number of alternative ways., depending upon the user's requirement. Jenoptik will provide support in selecting the most appropriate solution, but options include; standard single and double armed cantilever columns (1 to 8 cameras); urban columns (1 or 2 cameras); passively safe, fold down columns (1 or 2 cameras); existing street furniture & gantries (multiple cameras) as well as a range of standard CCTV mounting columns and brackets.

**Illumination:** SPECS3 VECTOR contains highly responsive cameras that are effective even in poor lighting conditions. However, some scene illumination will be required in order to capture night time images. Options include: existing street lighting (if sufficient); additional white street lighting; additional infra-red lighting. Image surveys can be carried out to determine the best illumination solution.



### Day/Night Mode

When lighting levels drop below a set threshold, SPECS3 VECTOR can automatically switch to 'night' mode, if required. This optimises the camera for low light conditions, allowing clear monochrome images to be captured. A wide range of illumination types can be used, including unobtrusive infra-red flood lights on completely dark roads.



## SPECS3 VECTOR Specification

Feature	Details
Cameras:	Resolution: 1280H 1024V, single & twin lane monitoring
Illumination:	Controlled pulse infra-red LED, 850mm. Scene overview lighting using synchronised VECTOR IR floodlight
Operational Envelope:	5.4m to 10m height, ± 14.4m angular offset (centre of camera to centre of monitored lane)
Baseline Length:	75m minimum, maximum 20km+ (no specified maximum baseline)
Camera Orientation:	Forward or rear facing (paired cameras must be in the same orientation)
Lane Changing:	Any lane in, any lane out
Secondary Check:	Fully integrated and automatic secondary check, meeting the requirements of HOTA
Speed Limits:	Capable of enforcing 20mph, 30mph, 40mph, 50mph, 60mph, 70mph limits
Interfacing:	Existing interfaces to ERIC, EROS, EROS2, VP FPO and StarTraq
Comms Resilience:	Stores events and images using onboard capacity, transmitting to ERCU when restored, up to HOTA limit
Communications:	3G and 4G, GPRS, ADSL, LAN, SMS, IEEE802.11b/g/n (WiFi), GPS clock, GPS location, tamper switch, analogue video feed for ground truthing
Physical:	3.5kg, 190mm x 160mm x 100mm, rugged metal casting, 3 axis adjustable stainless steel bracket
Environmental:	IP67, -10°C to 50°C operational temperature range
Power Input Options:	48VDC or 90-240VAC supplied via column box, providing 48VDC to camera unit. 25W typical power consumption



SPECS3 VECTOR's passively safe column, which folds down to allow street level access.

JENOPTIK Traffic Solutions UK reserves the right to make changes to the specification and improvements to the product and/or programs herein at any time.  
v1.1 2016



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