

VECTOR INTEGRATED ANPR CAMERA

OVERVIEW

Vysionics' Vector integrates the industry-leading ANPR processor with a state-of-the-art dual-camera imaging system as a single unit, removing the need for a separately housed processor at the camera location. The product facilitates the flexible combination of ANPR and overview cameras, pulsed LED illuminators and ANPR processor, to suit the client's application precisely. This enables any pairing of monochrome, colour or day-night cameras with covert infrared or visible illuminators.

Vector can operate automatically, auto-detecting vehicles as they pass through the field of view, or may be linked to an external trigger, for weigh in motion capture or other applications where only specific vehicles are required to be identified. The adaptable system works in all weather and lighting conditions and may be configured to read characters in formats issued by all countries. During darkness, Vector uses cost-effective integral pulsed LED illumination, and the light may be either visible or covert.

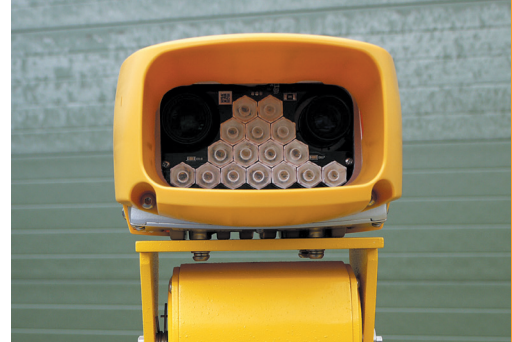
KEY FEATURES

- Single unit integration of processor and dual-camera imaging system
- Flexible combination of cameras, illuminators and processor
- Optional automatic operation
- Adaptable to all weather and lighting conditions
- Reads characters in formats issued by all countries
- Accommodated within Solar Intelligent Platform (IP)

TECHNICAL SPECIFICATIONS

ANPR CAMERA SENSORS

- **Sensor type and size:** Monochrome camera, 1 1/8 CMOS sensor, equipped with infrared narrow band pass filter and C/CS lens mount
- **Format and resolution:** Digital, 1280 height x 1024 width pixels
- **Field of view:** 2-lane ANPR up to 6.5m field of view with same or multi-direction capture
- **IR filter:** 850nm infrared illumination



PRODUCT

VECTOR INTEGRATED ANPR CAMERA

OVERVIEW

- **Sensor type and size:** Colour camera, 1 1/8 CMOS sensor, equipped with switchable day / night infrared cut filter and C/CS lens mount
- **Format and resolution:** Digital, 1280(H) x 1024(W) pixels
- **Field of view:** Lens selected to suit application

ILLUMINATOR

- **Wavelength options:** 850nm
- **Source:** High power LED array

PROCESSOR

- **ANPR:** Integrated Qseven processor board with AMD T40E dual core processor
- **Communications:** LAN and integrated 3G or IEEE802.11n
- **Time:** Integrated GPS receiver

GENERAL

- **Operating temperature:** -10°C to +50°C
- **Power supply:** 48VDC nominal, 25W typical consumption
- **Weight and dimensions:** 2.9kg (excluding mounting bracket), 125mm x 168mm x 192mm (without sunshield)
- **Rating:** IP67

TRAILER - EU TYPE APPROVED

- **Length (overall):** 2900mm with towing eye / 1930mm without
- **Width (operating position):** 1740mm
- **Height (travel position):** 2400mm
- **Height (max operating position):** 5000mm
- **Weight:** 745kg
- **Coupling:** 40mm towing eye / quick release, 50mm ball

POWER

- **Voltage:** 12V
- **Solar panels:** 2 x tilting 240w panels
- **Batteries:** 12V 1000 AH deep cycle (4 x 250 A/H)
- **Solar Controller:** 70A MPPT regulator
- **Operation:** Batteries / solar

