



V103

V103 Bollard Cameras

Our range of Bollard ANPR cameras have now been updated with a wealth of new features and improvements.

These cameras provide the same high quality images as our V102 range, but in a vandal-resistant enclosure that allows you to put the camera right where it needs to be. Particularly suited to automatic entry systems, these cameras are available in both standard and dual versions, and are simple to install and maintain.



Traffic technology solutions to improve roads, journeys and communities

Main Features

- High quality ANPR camera suitable for use with any of our ANPR processors or with DVR
- Instant set up with simple adjustment of zoom and focus
- Pulsed infrared illumination (as used in the V102 range)
- High performance optical filtering for perfect images in full sun or vehicle headlights
- Sony CCD sensor with 620 TV line resolution
- Minimum illumination 0 lux (dual version 1lux for colour overview images)
- Shutter speed of 1/100,000th sec (ANPR camera) ensures razor sharp images of moving vehicles
- Vandal-resistant cabinet with 6mm Lexan window
- Full height lockable access door simplifies installation and maintenance
- Rotating cabinet with base clamp for easy pan adjustment
- Cable entry by underground duct or surface conduit

Overview

These cameras are suitable for a wide range of applications but are particularly suited to automatic entry systems. It is essential with all ANPR systems to install the camera in the right location and this can become challenging at entrances with gates and barriers.

In order to grant access for the correct vehicle, the ANPR camera must view the first vehicle in the queue. This can be almost impossible with a pole-mounted ANPR camera, particularly if the barrier is fitted with skirts or for gate entrances. The bollard camera is the ideal solution for these situations and ensures the camera can be installed in the perfect location for maximum recognition.

The bollard camera can be supplied in a range of custom colours to suit the intended location and have been designed to resist vandalism. The cabinet is constructed from 2mm steel and is completed by a 6mm thick Lexan window. The full height rear access door simplifies both installation and maintenance and is fitted with a key-lock as standard.

The low height of the ANPR Bollard camera ensures that the license plate images are extremely sharp and free from skew, so allowing the ANPR processor to achieve maximum recognition accuracy. To minimise image degradation from the sun, these new models now feature an extendable sun-hood which provide additional shade for both the ANPR and optional overview camera.



The camera features a full height rear door which makes installation and maintenance very straight forward.

Dual Camera Version

These bollard ANPR cameras employ special optical filtering to ensure the highly reflective vehicle registration plates are correctly exposed under all lighting conditions. Whilst this ensures our processors achieve the highest possible recognition accuracy, it does also mean that images from an ANPR camera are rather dark and lacking any colour information (see below ANPR image).



If you need additional colour images of each vehicle in order to assist in determining make, model and colour, you will need to select the dual version of the bollard camera. This include both an ANPR camera plus an additional high resolution overview camera.

Our overview cameras feature a Sony ExView sensor and offer very sharp, full colour images with 560 TV line resolution. Like the ANPR camera, the overview camera has simple adjustment of both zoom and focus.



ANPR Image

Overview Image

Whilst the ANPR camera will not be affected by the headlight glare, remember that the colour overview images at night will not be ideal due to the very low camera position. If you require high quality overview images at night when using a bollard camera, please consider using our stand-alone day/night overview camera and installing this at a height sufficient to avoid headlight glare.

Product Codes

| Code | Model Description |
|--------|------------------------------|
| V102-1 | V102 Camera with 3-15m zoom |
| V102-2 | V102 Camera with 15-50m zoom |

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.

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