

Roadflow Fusion

A Smarter Unattended Enforcement Solution

VCA certified for multiple Moving Traffic and Civil Enforcement purposes including Bus Lanes and Gates, Banned Turns, School Safe Havens, School Keep Clear, and Yellow Boxes. All from one outstation capable of capturing either video or image evidence and generating enforcement metadata to aid Council's Civil Enforcement Officers and determine contravention status.

Other uses include Clean Air Zones, Liveable Neighbourhood Zones, and Road Toll Enforcement. Successfully helping Local Authorities to protect their communities, improve road safety, promote, prioritise and improve bus services, reduce traffic congestion and CO₂ emissions.

USE CASES



RoadflowFusion

FEATURES

- IR and Colour ANPR cameras to defeat modified number plates
- Third context colour camera – all cameras have zoom capability
- High performance; capable of achieving NASPLE criteria
- High powered processors used for ANPR and determining offences
- Designed for mounting on existing street furniture
- Fully weatherproof, IP68 and hermetically sealed unit
- Mobile or wired data connectivity
- Tamper protection of evidence packs with optional physical vandalism protection

BENEFITS

- VCA Certified
- Improved road safety
- High levels of compliance
- Protects low traffic neighbourhoods without closing streets
- Bus services running to schedule
- Reduces air pollution
- Flexible on existing street furniture



CAMERA

Processor: iMX8 ARM based

Diameter: 215mm x 200mm

(excluding brackets / sunshield)

Detector Type: Digital and Global Shutter CMOS

ANPR Recognition Range: 3 to 50m

Horizontal Field of View (FoV):

Controllable 60° to 3° (ANPR and Colour ANPR),

Controllable 54° to 4° (Context)

Shutter: 1/50 – 1/10,000

Camera Resolution Illumination:

- ANPR Camera 1280 (H) x 720 (V) pixels
- Colour ANPR Camera 1280 (H) x 720 (V) pixels
- Context Camera 1280 (H) x 720 (V) pixels

Illumination: 6x Pulse IR LED array (850nm), synced to improve illumination

Security Integral Tamper Detect: Encryption protection (Deletes data access keys when a tamper is detected)

PERFORMANCE

Detection Range: >200 m (50 m IR)

Zoom: 25x Optical, 16x Digital

Horizontal Field of View: 55° - 2.4°

Pan / Tilt Range: 360° Endless / -5° to 90° (vertically down)

OPERATING CONDITIONS

Operational Temperature: -20°C to +60°C (with >80% relative humidity above +20°C)

Storage Temperature: -25°C to +70°C

Minimum Light Level:

- ANPR 0 Lux (with IR Illumination)
- Colour ANPR 0.1 Lux (Colour) / 0.006 Lux (B&W)
- Context 0.05 Lux (Colour) / 0.05 Lux (B&W) Selectable

Environmental Rating: IP68 (Camera)

GPS: Embedded High Precision GPS (for time sync)