



JetCam Wasp

Infra Red Police Mobile ANPR Camera

CitySync, the leading manufacturer of Automatic Number Plate Recognition Systems, supply highly accurate ANPR Engine Software, Application Software, Specialised Recognition Hardware and a comprehensive range of IR Cameras. These include the Fox HD and the Wasp 12v mobile cameras.

The JetCam Wasp is part of the iQ Camera range and is designed for use in mobile applications where it can easily be fitted to a police or surveillance vehicle. It is compact measuring only 17cm in length with a diameter of 3 inches and is powered from a vehicle's 12v DC supply. This small black camera has an array of Infra Red LEDs fitted around the lens for 24 hour use, it has a 4 – 73mm zoom lens fitted as standard and the camera can be attached to a PTZ unit.

The star feature of the Wasp Camera is its intelligence. The camera has full telemetry control from the Jet ANPR Engine which constantly monitors the brightness and condition of all recognised number plates over a fixed period of time. The software then applies dynamic control to various settings such as gain and aperture – fine tuning the resulting image which is then fed to the ANPR computer. This dramatically improves ANPR recognition in very difficult and changeable lighting conditions.

The Wasp is also available with an integral gunsight style colour overview camera to record contextual images of traffic for vehicle identification. This compact camera is available with various lens options.

The JetCam iQ Wasp is supplied with a standard BNC connector that plugs directly into a Jet RoadRunner Rapid Deployment System or any mobile ANPR PC (a serial port is required for camera control). The Wasp is supplied with all the software drivers necessary for both automatic and full manual control of the camera.



Wasp Deployment

- Police Vehicles
- Rapid Deployment
- Customs
- Covert Operations
- Mobile Enforcement
- Surveillance
- Parked or in Motion
- Day/Night use
- Low Power Sites

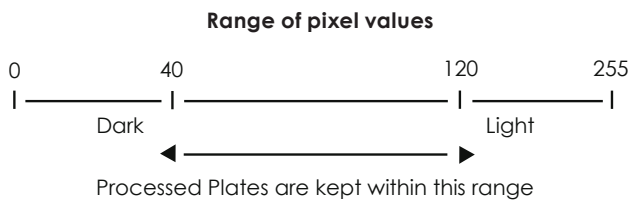
JetCam Wasp in action



JetCam Intelligence Algorithms

The ANPR Engine samples the average brightness levels of every number plate being processed and not just the whole image. This average level is derived from the difference between the lightest and darkest pixels of the captured number plate. This is then fed into the JetCam iQ control program once every minute.

The JetCam control then compares this figure with various preset levels. If it is found to be drifting outside the minimum and maximum acceptable levels then the camera is adjusted accordingly by using a combination of aperture and gain controls.



Technical Specification

Image Sensor	Super HAD CCD
Effective Pixels	440,000 pixels
Lens	18 x zoom f = 4.1 mm to 73.8 mm F1.4 to F3.0
ANPR Range	3 – 50m daylight 3 – 20m night time
Sync	Internal
S/N Ratio	More than 50 dB
Electronic Shutter	1/50 to 1/10,000 s
White Balance	Auto – or 4 other settings
Gain	Auto/Manual (-3 to 28dB 2dB steps)
AE Control	6 modes
EV Compensation	-10.5 to +10.5 dB (1.5 dB steps)
Back Light Compensation	On/Off
Video Output	1.0 Vp-p (Sync. Negative)
Camera Control I/F	Proprietary Serial/NVT
Illumination	Multi Leds with separate lenses
Storage Temperature	-20° to 60° C
Operating Temperature	0° to 50° C
Power Consumption	12v DC 250mA
Weight	300g approx
Dimensions	70 x 75 x 170mm (H x W x D)
Dimensions incl. bracket	100 x 75 x 170mm (H x W x D)
Brackets	Various vehicle mounts available
PTZ	PTZ Unit available

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Specifications subject to change without notice

ANPR you can trust

