

ROADWOLF™ ANPR CAMERA

roadpixel
ANPR YOU CAN TRUST

The compact and lightweight range of RoadWolf™ ANPR Cameras use the latest LED technology to deliver a new standard of plate reading. Available in both Analogue and HD formats, the cameras have been designed to be efficient, economic and technically appealing to installation engineers.

Using the latest Sony Effio™ DSP technology for noise reduction and infrared sensitivity, the RoadWolf cameras capture crisp infrared images of retro-reflective licence plates. The overview camera module captures corresponding contextual images of vehicles both in daylight and in challenging light conditions.

The RoadWolf Analogue is fitted with varifocal lenses to provide installation setup flexibility and is available as a single monochrome infrared (IR) or dual camera with an additional colour contextual camera. The 5-50mm focal length reads plates at either a site entrance a few metres away or from a highway gantry scanning high-speed traffic at up to 30m away.

The HD model provides wide/dual lane ANPR coverage. Various lens options are available to enable plates to be read at medium range for free flow car park/monitoring applications or at long range reading plates across two lanes of motorway traffic.

FEATURES

Latest technology LEDS & Varifocal Lenses - *Analogue*

Wide / Dual lane coverage - *HD*

Landscape IR diffusers produce even illumination

High quality extrusion

Pressure purge valve

Quick release, self-sealing waterproof connector

IP67 rated

The cameras are lightweight and utilise a polycarbonate front cover that lets more IR light through. All RoadWolfs are fitted with removable IR diffusers for use at read distances of less than 17m. The diffuser spreads the beam of IR light into a landscape format which then evenly illuminates the whole field of view resulting in much better ANPR performance.

Powered by a 12-24v DC supply, the camera also has an optional wrap-around 360° sunshield in addition to the sunshield pictured. The rear multi-way connector uses the latest push and twist design for a fast, secure and waterproof connection. A GORE™ valve for pressure equalisation and moisture expulsion complement the RoadWolf's advanced technical design features.

The RoadWolf is also available as a White Light ANPR Camera and can be supplied with several combinations of Digital HD and Analogue modules for non-reflective plates and Middle East Countries.



APPLICATIONS

Highway Traffic

Free-Flow Parking Control

Site Security Control / Monitoring

Barrier / Access Control

Dual / Wide Lane Traffic - *HD*

Technical specification liable to change without notice due to continuous product development.

TECHNICAL SPECIFICATION

| | |
|----------------------------------|---|
| ANPR Recognition Range | <p>Analogue Model 5-30m / 16-100ft</p> <p>HD Model 10-30 / 32-100ft</p> |
| Lenses | <p>Analogue Model ANPR: 5-50mm Varifocal f1.6 Overview: 5-50mm Varifocal f1.4 Day/Night Auto Iris</p> <p>HD Model ANPR: Various fixed lens options Overview HD: Fixed lens options Overview Analogue: 5-50mm Varifocal f1.6</p> |
| Sensors | <p>Analogue Model ANPR: 1/3" Sony 960H CCD Overview: 1/3" Sony EXview HAD CCD II</p> <p>HD Model Various sensors dependng on HD models and analogue option</p> |
| DSP | Sony Effio for noise reduction & IR sensitivity - Analogue only |
| Effective Pixels | 976 (H) x 582 (V) - Analogue only |
| Horizontal Resolution | <p>Analogue Model 768</p> <p>HD Model 1280 (higher resolutions available)</p> |
| Min Illumination | Overview: 0.02-0.05 Lux @ f1.2 - Analogue only |
| Shutter Speed | 1/50th - 1/100,000 sec |
| Video Output | <p>Analogue Model Composite 1Vp-p CVBS 75 Ohms</p> <p>HD Model GigE Lossless HD image stream Composite 1Vp-p CVBS 75 Ohms with PAL overview option</p> |
| Illumination | Multi LEDs with separate lenses |
| IR Wavelength | 850nm (other wavelengths available) |
| IR Diffusion | Low light absorption landscape LED diffuser |
| IR Illumination Angles | 2 Diffuser options to match FOVs |
| Input Voltage | 12-24V DC |
| Power Consumption | <p>Analogue Model ≈8W</p> <p>HD Model ≈12W</p> |
| Current Consumption | <p>Analogue Model 0.3A @ 24V, 0.6A @ 12V</p> <p>HD Model 0.5A @ 24V, 1.0A @ 12V</p> |
| Ingress Protection Rating | IP67 |
| Storage Temperature | -20° to +60° C |
| Operating Temperature | -20° to +50° C |
| Operating Humidity | 85% RH |
| Mounting | Standard 4" (101.6mm) PCD fixing point |
| Brackets | Various mounts available |
| Dimensions | 208 x 94 x 199mm (WxHxD) inc. sunshield |
| Weight | 2.2Kg |
| MTBF | >50,000 hours |