

ROADWOLF™ NANO ANPR CAMERA

roadpixel
ANPR YOU CAN TRUST

The RoadWolf™ Nano is a rugged twin-lens ANPR camera suitable for use where space or aesthetics demand a less industrial look or discreet deployment. Available in Analogue or HD formats, the Nano neatly mounts onto a Police Car or can be fitted inside a RoadPixel Bollard.

The Nano is suitable for fixed applications such as site entrances and car parks where an unobtrusive ANPR solution is desirable. Its small footprint also makes it perfect for Police, Parking Enforcement and other mobile ANPR applications.

The Analogue RoadWolf Nano is fitted with a fixed focal length lens set up to read plates across one or two lanes of traffic from approximately 17m away. The auto-iris colour overview module captures corresponding colour contextual images of vehicles both in daylight and in challenging light conditions.

The HD version provides full dual lane ANPR coverage with an additional analogue colour contextual camera.

The Nano 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.

FEATURES

Compact Aesthetic Design

Analogue & HD Models for Single / Dual lane ANPR & Colour Overview Cameras

5-17m Range

IR diffusers evenly illuminate the Field of View

Quick release, self-sealing single IP67 connector

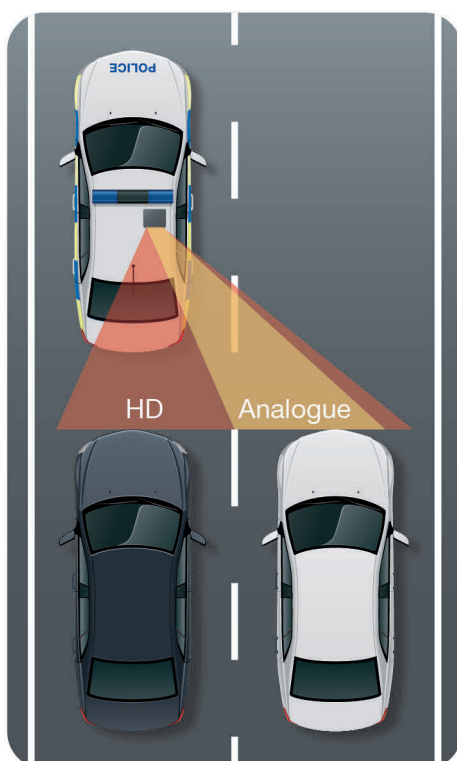
Pressure purge valve

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 Nano is IP67 rated, lightweight and constructed from a high quality aluminium extrusion. Power is provided by a RoadPixel PSU for fixed applications or by a 12-24v DC automotive supply for vehicle use.

A tactile push-twist release IP67 connector and a GORE™ valve for pressure equalisation and moisture expulsion complement the RoadWolf Nano's advanced technical design features.



Analogue and HD FOV Coverage

APPLICATIONS

Mobile / Police ANPR

Discreet Deployment

Aesthetic Site Security Control / Monitoring

Barrier / Access Control (short range 5-7m)

Bollard-ready

TECHNICAL SPECIFICATION

ANPR Recognition Range	Analogue Model 5-20m / 16-65ft
	HD Model 10-20 / 32-65ft
Lenses	Analogue Model ANPR: 5-50mm Varifocal f1.6 Overview: 5-50mm Varifocal f1.4 Day/Night Auto Iris
	HD Model Fixed - various focal lengths available
Sensors	Analogue Model ANPR: 1/3" Sony 960H CCD Overview: 1/3" Sony EXview HAD CCD II
	HD Model Various sensors dependng on HD models and analogue option
DSP	Sony Effio for noise reduction & IR sensitivity - Analogue only
Effective Pixels	976 (H) x 582 (V) - Analogue only
Horizontal Resolution	Analogue Model 768
	HD Model 1280 (higher resolutions available)
Min Illumination	Overview: 0.02-0.05 Lux @ f1.2 - Analogue only
Shutter Speed	1/50th - 1/100,000 sec
Video Output	Analogue Model Composite 1Vp-p CVBS 75 Ohms
	HD Model GigE Lossless HD image stream Composite 1Vp-p CVBS 75 Ohms with PAL overview option
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	Analogue Model ≈8W
	HD Model ≈12W
Current Consumption	Analogue Model 0.3A @ 24V, 0.6A @ 12V
	HD Model 0.5A @ 24V, 1.0A @ 12V
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 without Sunshield	160 x 45 x 140mm (WxHxD)
Dimensions with Sunshield	175 x 50 x 200mm (WxHxD)
Weight	1.5Kg
MTBF	>50,000 hours

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



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