

Harrier Mini



QRO's AI-powered all-in-one 5MP ANPR Camera System for Mobile And Fixed Roadside Applications

QRO Solutions have launched a new, highly compact, all-in-one, super high-definition camera with an embedded high-performance AI processor delivering a complete fully integrated ANPR solution to monitor up to 3 lanes of traffic.

Having built-in wireless communications and requiring only a single 12Vdc power connection, the Harrier Mini is simple to deploy both in vehicle based and fixed infrastructure applications. Due to its small size, it fits neatly on the top of traffic signals, looking less like an ANPR camera and more like a traffic sensor.

Automatic Number Plate Recognition System

- Self-contained ANPR and data communication system.
- 5-megapixel fixed focus day/night lens (12 to 25mm options).
- 9 x 850nm wavelength high-power LEDs.
- Capable of 3 lanes of simultaneous coverage.
- Vehicle detection algorithm to monitor vehicle capture rates.
- LTE/GPS/WLAN/LAN built in router.
- Externally accessible SIM card holder.
- 12Vdc powered with ignition power control.
- Built in UK police NASP testing tool.
- Simultaneous ANPR and High-Definition video streaming.

Specifications

Communications

Internal All-in-one Router LTE CAT4, HSPA/UMTS, EDGE/GPRS.
1 x 10/100M ethernet (LAN/WAN configurable).
IEEE 802.11 b/g/n 300 Mbps(2T2R) WLAN.
NMEA-0183 2.3V GPS with an accuracy of 2.5m.

Declaration of Conformity

UKCA, CE, FCC

Dimensions

Main Body 130mm(L) x 90mm(W) x 55mm(H).
Hood 190mm(L) x 99mm(W) x 63 mm(H).

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Environmental

Ingress Rating	IP67
Operating Temperature Range	-20 °C to +55 °C.
Humidity	0% to 98%.
Emissions	EN 55022:2010 EMC.
Immunity	EN 55024:2010 EMC.

Illumination

LEDs	9 x 850nm Wavelength High-Power.
Beamwidth	20°.

Imaging

Resolution	2472 x 2064.
Sensor	Global Shutter Day/Night Sony Pregius S Colour.
Max FPS	20 @ 5MP.
Day/Night Switch	Automatic switch based upon environment brightness and number plate contrast ratio.
Lens	Fixed focus with 12mm, 16mm, 20mm and 25mm options
ANPR Range	Up to 40m with 3 standard lane coverage.

Material

Machined aluminium with black anodised finish.

Power

12Vdc with external voltage stabiliser for vehicle installations

Processing

Main Processor	Nvidia Jetson Nano 8GB
Storage	128GB industrial M.2 SSD storage.

Software

Operating System	Ubuntu Linux.
ANPR Protocols	UTMC, UK BOF2 (All back-office variants).

Weight

990g (including hood and 3-axis mounting bracket).