

**mav** HOME OF ANPR CAMERAS

# IQ:250

Dual All-in-one HD Zoom Camera



*Incorporating HD image quality, motorized zoom, high speed ANPR recognition and maxIRange™ pulsed IR lighting in one efficient unit, the IQ:250 range sets new standards for intelligent ANPR cameras.*

# IQ:250



#### HD Video

up to 8m lane width capability from digital video for maximum quality



#### ECO Power / PoE+

less than 8W total, optionally powered from 802.3at PoE+



#### Integrated ANPR Engine

to provide high accuracy reads with meta data



#### Easy Installation

full setup using web browser with live video



#### JSON Web Services

simple integration into applications using open interface



#### Stand-alone

with optional sunshields and brackets for quick installation



#### Zoom Cameras

fully controllable trueZoom™ for the perfect field of view



#### Weather Proof

fully hermetically sealed to IP68



#### Powerful Pulsed IR

maxIRange™ for true day/night number plate recognition



#### Offline Data Management

Store and forward for offline data transfer (Optional)

[www.mav-systems.com](http://www.mav-systems.com)

[www.anprcameras.com](http://www.anprcameras.com)

+44 333 800 3090

MAV Systems Limited, Lullington Park Farm Offices, Epsford, Leics, UK, DA4 0JA

Part of

THE  
TRAFFIC  
GROUP

**mav**

# MAV IQ:250 Specification

All-in-One ANPR HD Zoom camera with integral ANPR recognition

## Specifications

	IQ:250	IQ:150 SL
Recognition Range	Capture of up to 8m of traffic lanes from 3m to 50m based on 850nm IR on EU retro-reflective plates	Capture of up to 4m traffic lane(s) from 3m to 50m based on 850nm IR on EU retro-reflective plates
Motorised Zoom	Controllable 60° to 3° Horizontal Field of View Lens equivalent 4.5mm to 125mm	Controllable 54° to 2.5° Horizontal Field of View Lens equivalent 3.75mm to 83mm
Shutter / Iris	1/50 to 1/10,000 / F1.4 (wide) to F4.2 (tele)	1/50 to 1/10,000 / F1.6 (wide) to F3.6 (tele)
Image (ANPR and Overview)	Two HD cameras: 1280(H) x 720(V) effective pixels digitally connected to ANPR processor at 25 fps	Two SD cameras: 752(H) x 582(V) effective pixels digitally connected to ANPR processor at 25 fps
IR Illumination	4 pulsed LED arrays with lenses (850nm standard. White light, 740nm or 940nm optional)	
Low Light	ANPR: 0.0 Lux with IR illumination OV: 0.1/0.006 Lux (Colour/B&W (no IR Cut) selectable)	
Optical Filters	IR: Bandpass matched to LEDs OV: Day/Night IR Cut Filter	
Camera Control	Integrated web server provides full camera and illuminator setup pages and live preview from any connected browser (no plug-ins required)	

## ANPR Engine Functionality

ANPR Processor	Dual Core DSP with co-processor and two channel internal parallel video input
ANPR Software / Presets	ANPR license and configuration upload via web based configuration pages for simple remote management
ANPR Engine Protocol	JSON web services provide full access to overview and plate patch images and metadata as push or pull messages for easy integration into applications (O/S independent) and via web pages
ANPR Metadata	Multiple plate tracking with IDs, full availability of plate movement/size data through field of view
ANPR Features	Image cropping options for Overview image, advanced de-skew and yaw correction, character spacing validation, country of origin matching

## Physical Specifications

Operating Voltage	10 – 15 VDC protected or PoE+ (802.3at)
Network Connections	10/100 Base-T physical
Power Consumption	Nominally 14W
Size (WxHxD)	163 x 163 x 145mm (cylindrical) excluding connectors, mount and sunshield
Weight	2.5kg excluding mount and sunshield
Enclosure	IP68 hermetically sealed. Hard anodized aluminium with mount options
Temperature / Humidity	-20° to 55°C ambient (Operating) / 0% - 100% RH (sealed)

## Service

Customer Service	Friendly, helpful service for product ordering and repair returns
Technical Support	Comprehensive pre and post-sale technical support for full life of the product
Warranty	12 month warranty, extended warranties and factory repair/replacement programmes available
Long Term Supply	Complete support for the life of the product
Quality Management	MAV operate a quality management system complying with ISO 9001:2000
Training	Comprehensive product training programmes for customers