



Rapier 50

HIGH QUALITY ANPR CAMERA WITH PULSED IR LED ILLUMINATION



Long Range Fixed ANPR
Congestion Charging
Journey Time Analysis
Road Tolling
Bus Lane Enforcement
Security

FORMIDABLE PERFORMANCE

The Rapier 50 ANPR camera incorporates high grade camera technology, innovative InfraRed (IR) pulsed LED design and multiprocessor control circuitry providing formidable ANPR/LPR camera solutions for professional use in fixed situations.

The Rapier 50 provides images for worldwide number plate recognition at a typical range of 5 to 50 metres but has also been proven to provide consistently high visibility plate images at distances in excess of 60 metres, day and night. Rapier 50 provides both IR images for ANPR recognition and colour overview images for evidential capture.

Rapier 50 offers multi-level frame-by-frame variation of IR illumination as standard so that it can provide high quality images from a wide range of differing number plate characteristics. Combined with an impressive 37x optical zoom, the Rapier 50 outperforms all its competitors.

Rapier 50 has been designed for ease of use in fixed applications with standard CCTV installation options for use on gantries, lamp posts and bridges.

The camera's housing is fully sealed to IP68 and purged for long life performance.

REASONS TO BUY RAPIER 50

FLEXIBLE – electronically adjustable zoom for optimal set up

PERFORMANCE - best-in-class ANPR images at medium to long range

ILLUMINATION - pulsed multi-level lighting control capabilities

ECONOMICAL - low current requirements for high light output

RUGGED - high grade enclosure with simple installation options

SEALED - hermetically sealed to IP68 for demanding physical environments

CONTROL - duplex control and feedback with protocol support for drop-in replacement

SIMPLE SETUP - free setup applications and installation controls



RAPIER 50 OVERVIEW

ANPR long range zoom cameras with high output IR illumination in compact IP68 enclosures

Specification	
Recognition Range and Field of View	Typically 5 to 50 metres Range based on 850nm illumination on EU transfective plates occupying ¼ field of view
Zoom	55° to 1.59° Horizontal Field of View (fully optical) in over 1000 steps
IR Illumination	4 high power pulsed LED arrays (White Light, 740nm, 850nm or 940nm) with lens beam pattern options
Image	752(H) x 582(V) effective picture elements providing up to 680TVL resolution ANPR: 0.0 Lux with IR Illumination Overview: 0.7/0.06 Lux (Colour/B&W selectable)
Shutter	From 1/50 to 1/120,000 th with Sequential Shutter control option
Filters	ANPR: IR Bandpass Overview: Day/Night IR Cut Filter
Camera Control Protocols	AVML and other standards available via RS232
Operating Voltage	10.5 – 15 VDC at camera. Unit protected for under voltage and overvoltage to 18VDC. Recommend use of low volt drop cabling for longer cable runs. MAV offer a range of made-to-length composite cables for this purpose 1-75m and PSUs. Input voltage is conditioned by internal circuitry to ensure consistent illumination in full operational range.
Power Consumption	Nominally 25W
Physical (WxHxD)	163 x 163 x 114 mm (cylindrical) – excluding brackets/sunshield
Enclosure	IP68 hermetically sealed Hard anodized aluminium in natural aluminium with rugged mount options (Black anodized option available)
Weight	Camera 2.45Kg – Camera with Sunshield and bracket 3.00Kg
Temperature	-20°C to 50°C operating
Options and Accessories	
Cable harness sets	The camera is fitted with high-grade locking connectors. Connection from the Rapier to the ANPR equipment is available through CAT5e cabling. The unit is powered by 12VDC power and has I/O connectivity for triggering multiple units.
Brackets	A range of metal cradles, brackets and sunshields are available for fixed installations. Modified and bespoke metalwork can be designed and supplied to meet specific demands. Standard ranges include rapid fixing brackets/adaptors to standard CCTV (4"/102.5mm PCD), RAM Mount and tripod connectors in pole/wall mount configurations with tilting/panning and yaw capabilities for better alignment. The sunshields are available in a variety of construction techniques and sizes.
Pan and Tilt	MAV Systems provide pan and tilt heads, and interface units, to enable remote movement of the camera position. Pan and Tilt units have jog and preset capabilities that can be combined with presets to create integrated fixed platforms. Pan and Tilt interfaces support industry standard protocols, with enhanced features through the MAV AVML protocol.
Ethernet (IP) Encoding of Video and Camera Control	An extended version of Rapier 50 offers integrated 2 channel video encoding to MJPEG and H.264 standards. The Rapier incorporates integral Ethernet switch and serial over Ethernet capabilities. This product requires no frame grabber at the PC and can be incorporated into any structured cabling system for wide area video connectivity.
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
Long Term Supply	Complete support for full life of the product
Training	Comprehensive product training programmes for customers



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