

# Rapier 35P

Integrated 10x Zoom Cameras with High Power LED Illumination



*The Rapier 35P range takes our compact ANPR cameras to new heights of performance in fixed and mobile applications. Rapier 35P incorporates high grade zoom camera technology, improved infrared pulsed LED design and multiprocessor control circuitry to provide an ANPR camera solutions for professional use in both fixed and mobile situations.*

# RAPIER



**Perfect Field of View**

10x optical zoom with presets



**Compact Enclosure (Dual)**

138 x 57 x 91 mm (W x H x D)



**Recognition Range**

3 to 30+ metres EU plate capture



**Compact Enclosure (Mono)**

99 x 57 x 91 mm (W x H x D)



**High Intensity Illumination**

850nm, White Light



**ANPR Images**

Optically filtered using custom designed bandpass filters



**Simple Setup Facilities**

Free apps and RS232 AVML protocol



**Environmental**

IP68 dry air purged hermetic seal



**Efficient Operation**

Nominally 12VDC, 10W



## World Class ANPR Performance

Our Rapier 35P range of cameras all include an ANPR camera and integrated IR with or without an inbuilt overview camera alongside. Rapier 35P cameras have 10x zoom capabilities as standard to give exactly the field of view required, not limited by fixed focal length lenses. The zoom and focus capabilities can be easily preset and moved dynamically.

Rapier 35P Dual/Mono models support license plate recognition up to 25+ metres. For increased distance and illumination, the Rapier 55 models offer greater IR intensity to match challenging lighting and plate conditions. The Rapier range also includes standalone lighting units to provide additional illumination that is fully synchronised.

Rapier 35P models offer multi-level frame-by-frame variations that can provide high quality images from differing plate characteristics. High grade image quality from Rapier 35P delivers even better recognition capability to ANPR systems.

Rapier 35P inherits the high reliability, quality of build and long life for which Rapier cameras have become world renowned in the professional market.



# MAV Rapier 35P Specification

Compact ANPR zoom cameras with high output IR illumination in a compact IP68 enclosure

## Specifications

	Rapier 35P Dual	Rapier 35P Mono
Recognition Range	Typically 3 to 25+ metres using 850nm illumination on EU retro reflective plates	Typically 3 to 25+ metres using 850nm illumination on EU retro reflective plates
Illumination	Pulsed array of multichip LEDs (White Light or IR850nm) or with lenses	Pulsed array of multichip LEDs (White Light, IR850nm) or with lenses
Optics	10x optical zoom, lens equivalent f=5.1 to 51mm, HFOV 54° (Wide) to 4.96° (Tele), F1.6 to F19.	10x optical zoom, lens equivalent f=5.1 to 51mm, HFOV 54° (Wide) to 4.96° (Tele), F1.6 to F19.
IR Filtering	ANPR images optically filtered using high transmissivity custom designed bandpass filters	ANPR images optically filtered using high transmissivity custom designed bandpass filters
Images	752(H) x 582(V) effective picture elements, 680 TVL, Day/Night IR Cut, Colour/B&W	752(H) x 582(V) effective picture elements, 680 TVL, Day/Night IR Cut, Colour/B&W
Image Format	PAL video 1V p-p 75Ω CVBS, colour burst suppressed for ANPR	PAL video 1V p-p 75Ω CVBS, colour burst suppressed for ANPR
Light Sensitivity	ANPR camera 0.0 Lux with illumination   Colour Overview 0.05 Lux Colour / 0.03 Lux B/W	ANPR camera 0.0 Lux with illumination
Image Manipulation	Image Invert, BLC, HLC, AGC, Noise Reduction	Image Invert, BLC, HLC, AGC, Noise Reduction
Camera Control	Auto / Manual settings of all features via single RS232 interface using AVML protocol	Auto / Manual settings of all features via single RS232 interface using AVML protocol
Camera Connections	MAV HR30 or Binder 723 options	MAV HR30 or Binder 723 options
Illumination Control	Multilevel illumination, power and pulse width control (auto and manual options)	Multilevel illumination, power and pulse width control (auto and manual options)
Shutter Speed	1/10,000th to 1/50th second and sequential shutter options	1/10,000th to 1/50th second and sequential shutter options
Presets	1 configurable preset including power on settings under full protocol control	1 configurable preset including power on settings under full protocol control
Operating Voltage	10-15VDC protected	10-15VDC protected
Power Consumption	Nominally 10W	Nominally 10W
Physical (WxHxD)	138 x 57 x 91 mm - excluding brackets/sunshield (compatible with Rapier 30)	99 x 57 x 91 mm - excluding brackets/sunshield (compatible with Rapier 30)
Weight	1.0kg	0.725Kg
Enclosure	IP68 hermetically sealed in black hard anodised aluminium	IP68 hermetically sealed in black hard anodised aluminium
Temperature/Humidity	-20°C to 50°C ambient operating / 0% to 100% RH	-20°C to 50°C ambient operating / 0% to 100% RH

## 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 options available
Long Term Supply	Complete support for the life of the product
Quality Management	MAV Systems operates a quality management system complying with ISO9001:2000