

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



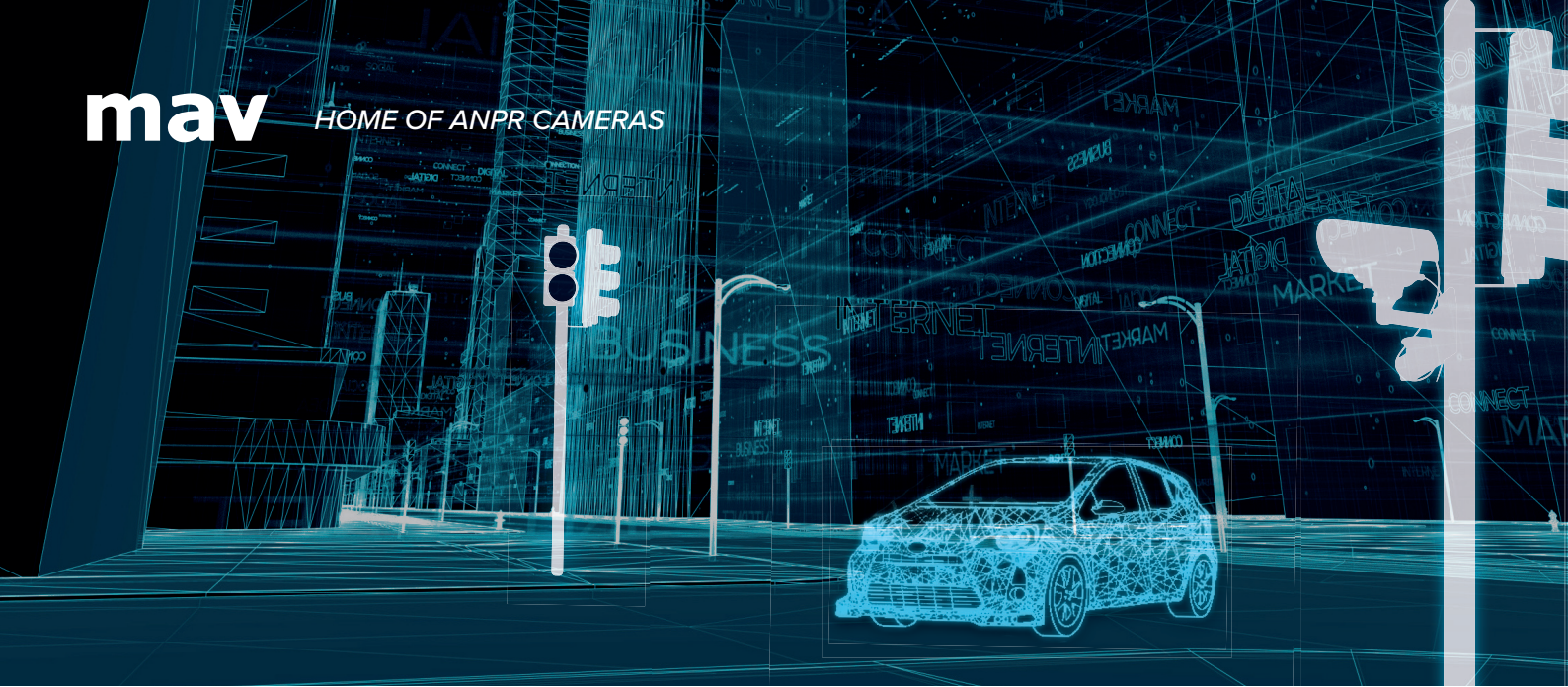
Environmental

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 |