

RAPIER

ZOOM CAMERAS WITH IR LED ILLUMINATION

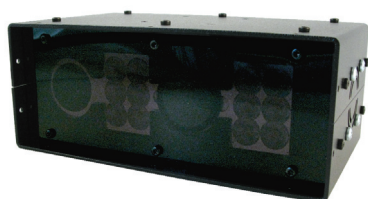


Rapier 25 Dual

Parking
 Enforcement
 Anti-Terrorism
 Intelligent Transport Systems
 Access Control
 Toll Systems



Rapier 25 Mono



Rapier 25+ Dual

FORMIDABLE PERFORMANCE

The Rapier range incorporates high grade camera technology, innovative infrared pulsed LED design and multiprocessor control circuitry providing formidable ANPR/LPR camera solutions for professional use in both fixed and mobile situations.

Our family of Rapier 25 cameras include models with ANPR camera and IR with or without an inbuilt overview camera alongside. All Rapier cameras have 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 25 Mono and Dual models support typical license plate recognition up to 33 metres. For increased illumination, the Rapier 25+ 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 models offer multi-level frame-by-frame variations that can provide high quality images from differing plate characteristics. The use of galvanically isolated circuitry enhances the high grade images for better recognition.

Rapier inherits all the qualities and approvals required for the professional market.

10 REASONS TO BUY RAPIER

COMPACT - small discrete design for fixed and mobile installations

ZOOM - for ultimate control of the license plate recognition image

ILLUMINATION - highly flexible multi-level with sequential shutter control

SEALED - hermetically sealed to IP68 for demanding physical environments

LOW POWER - low power drain without loss of recognition capability

CONTROL - data connection with multi-protocol support for drop-in replacement

SIMPLE SETUP - free setup applications and controls

AVML - bi-directional protocol for full camera control and feedback

IP - Ethernet connectivity options with integral switch

ACCESSORIES - full range of cables, brackets and sunshields

RAPIER OVERVIEW

ANPR cameras with integrated pulsed IR illumination in compact IP68 enclosures.

OPTIONS AND ACCESSORIES

Cable harness sets and splitters	The camera is fitted with the latest high-grade snap-lock connectors. Connection from the Rapier to the ANPR equipment is available through a range of extension cables or splitters that break out into individual terminating connectors. Typically the cables provide video on phono/BNC plugs, serial D-type connector and 12V power.
Brackets	A range of metal cradles, brackets and sunshields are available for the majority of mobile and fixed installation types. Modified and bespoke metalwork can be designed and supplied to meet specific demands. Standard ranges include rapid fixing brackets/adaptors to standard CCTV, RAM Mount and Tripod connectors in pole/wall mount with tilting/panning and yaw capabilities for better alignment. The sunshields are available in a variety of construction techniques and sizes.
Pan and Tilt	Microbus provide pan and tilt heads, and interface units, to enable remote movement of the camera position to complement the zoom capabilities of the Rapier cameras. Pan and Tilt units have jog and preset capabilities that can be combined with Rapier presets to create integrated fixed or mobile platforms. The Pan and Tilt interfaces support industry standard protocols, with enhanced features through the Microbus AVML protocol.
Ethernet (IP) Encoding of Video and Camera Control	An extended version of Rapier 25 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.



SPECIFICATION	Rapier 25 Mono (IR only)	Rapier 25 Dual (IR and Overview)	Rapier 25+ Dual (IR and Overview)
Recognition Range	Typically up to 33 metres*		Typically up to 45 metres*
	*Range based on 850nm illumination on EU transreflective plates occupying ¼ field of view		
Zoom	50° to 2.75° Horizontal Field of View (< 5.5° digital) in over 1000 steps		
IR Illumination	6 pulsed LEDs with lens array (850nm or 940nm)		12 pulsed LEDs with lens array (850nm or 940nm)
Image	752(H) x 582(V) effective picture elements providing up to 570TVL resolution ANPR 0.0 Lux with IR Illumination		
Shutter	OV: n/a	OV: 0.7/0.02 Lux (Colour/B&W selectable)	
Filters	OV: n/a	IR: Bandpass OV: Day/Night Cut Filter	
Protocols	RS232C based AVML and other standards		
Operating Voltage	10-18VDC protected		
Physical (WxHxD)	99 x 57 x 79 mm	138 x 57 x 79 mm	192 x 82 x 109 mm
Enclosure	IP68 hermetically sealed Hard anodised aluminium in black with mount options		Pressed metal for mounting inside cabinet/pedestal with mount options (other enclosure options available)
Temperature	-20°C to 50°C operating		-5°C to 60°C operating with integral fan



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
Long Term Supply	Complete support for full life of the product
Quality Management	Microbus operates a quality management system complying with ISO 9001:2000
Training	Comprehensive product training programmes for customers

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