

# VOYAGER 1

## ANPR/LPR PRODUCT RANGE

The new Voyager series is a compact, integrated number plate capture camera designed for high performance, long life and low maintenance. All Voyager products capture images of the number plate on a 24 hour basis - day and night.

Voyager overcomes all problems associated with number plate capture – speed, reflectivity, sunlight, car headlights and depth of field – regardless of ambient lighting conditions. Voyager is a fully integrated solution combining camera, lens, filter, housing, PSU and IR technology into a single pre-calibrated unit.

Voyager is available in 10m, 20m, 30 or 40m (33ft, 66ft, 99ft or 132ft) versions and is designed for quick and easy installation in an environmental housing. Other distance models are available on request. Voyager uses Raytec's high power SMT LED technology.

The camera comes with a 3 year warranty and industry leading long life and low running costs. It can be used directly with DVRs on a stand alone basis or used in conjunction with ANPR/LPR software systems. A PSU with control features is included.

### VOYAGER IN OPERATION



Headlights on



Headlights off



### POWERFUL

- Dedicated 24 Hour number plate capture camera
- Up to 40m (132ft) range
- Latest SMT LED technology

### FLEXIBLE

- Easy installation and set-up
- Operates in all lighting conditions - day and night

### RELIABLE

- Low maintenance
- 3 Year warranty
- Pre-calibrated and tested

### CONTROLLED

- Cable Managed Bracket
- LED power control

**ray**TEC<sup>®</sup>

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

## 24-HOUR NUMBER PLATE CAPTURE

All Voyager systems are designed to capture images of the number plate 24 hours a day without any need for adjustment or re-calibration. This includes both bright sunlight and night-time operation.

## RAY-VISION™ FILTERING SYSTEM

Designed specifically for Voyager ANPR systems, RAY-Vision™ employs cutting edge optics techniques to reduce the impact of bright sunlight and headlights to achieve high levels of ambient light rejection. RAY-Vision™ is optically matched to RAYMAX Infra-Red technology in-built into all Voyager systems

## SMT (Surface Mount Technology)

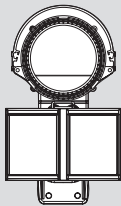
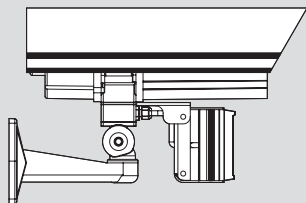
The future of lighting is surface mount LED technology. Compared to standard through hole LED's, surface mount LED's are a more robust solution increasing reliability and improving product life. They are also far more efficient at the dissipation of heat allowing the LED's to run at higher power and achieve significantly improved performance.

## 3 YEAR WARRANTY

All Raytec ANPR/LPR systems are provided with a 3 year warranty, unmatched anywhere in the ANPR/LPR hardware industry. Raytec Voyager systems provide guaranteed long life!



## TECHNICAL SPECIFICATIONS



### CAMERA HEAD

<i>CCD:</i>	1/3"
<i>Effective elements:</i>	752 (H) x 582 (V)
<i>Resolution:</i>	480 TVL
<i>Min Illumination:</i>	Supplied with IR for zero lux operation
<i>IR Wavelength:</i>	850nm
<i>Environmental:</i>	IP66
<i>Temp Range:</i>	-50 to +50°C (-58 to 122°F)
<i>Colour:</i>	White Housing with Black IR unit
<i>Power Consumption:</i>	
<i>Dimensions:</i>	430 x 250 x 150mm 17" x 10" x 6" approx
<i>Total Weight:</i>	3kg

### BRACKETRY

Cable managed wall mount bracket included. For pole or other bracket options please contact Raytec.

### POWER SUPPLY

<i>Input:</i>	Universal 100-240V AC auto-sensing
<i>Output:</i>	Dependant upon model
<i>Output – Camera and Housing:</i>	12V dc @ <1A
<i>Output – LED's :</i>	Pulsed & Synchronised 200-300mA at 15V
<i>Adjustable Power:</i>	10% - 100%
<i>Weight:</i>	1.85kg
<i>Dimensions: L x W x D</i>	160mm x 160mm x 81mm 6" x 6" x 4" approx
<i>Drilling Dimensions:</i>	4 x M4 holes @ 145 x 123mm

### PART CODES

RV1-10	Voyager 10m (33ft) ANPR/LPR Camera+PSU
RV1-20	Voyager 20m (66ft) ANPR/LPR Camera+PSU
RV1-30	Voyager 30m (99ft) ANPR/LPR Camera+PSU
RV1-40	Voyager 40m (132ft) ANPR/LPR Camera+PSU