

Autoscope®

Pn-500 Camera



The Pn-500 Camera is a rugged, compact camera, designed for the rigors of the traffic environment. The Pn-500 camera offers improved precision to short- and long-range applications by way of zoom/variable lens setting control. The Pn-500 has a color imager with high sensitivity to ensure accurate vehicle detection.

The Pn-500 camera is specifically designed to provide a colour video source for the Autoscope Pn-520, Pn-500 and Sn-510 devices.

The Pn-500 camera provides all the benefits of a higher end traffic detection camera at a fraction of the cost.

Traffic managers will benefit from this streamlined and cost-effective solution that offers non-intrusive fast setup, minimal maintenance, and high performance.

BENEFITS

- Cost-effective solution for traffic management
- Superior colour, high pixel quality and good low light response
- Versatile and precise image framing
- High resistance to dust and debris resulting in extended image quality and lower maintenance costs
- Withstands most weather extremes
- Easy to install, configure and maintain

FEATURES

- Designed for wide area machine vision vehicle detection
- CMOS-chip based sensor
- Manually controlled zoom/variable lens
- Thermostatically controlled heated faceplate
- Rugged, environmentally-sealed enclosure with stands most weather extremes



Autoscope Pn-500 Camera

SPECIFICATION

Power

- 230 VAC, 50/60 Hz input supply
- 1A

Camera

- Sensitivity: 0.1 lux (colour)
- WDR and 3D-NR to ensure the best image quality under severe lighting conditions
- Resolution: 960 lines (CVBS)
- Max Resolution: 1920 x 1080 (AHD / CVI / TVI mode)
- Sync system: internal synchronization

Output

- PAL or NTSC

Lens

- Wide Angle of View
 - Horizontal: 34.3° - 127.6°
 - Vertical: 18.9° - 65.0°
- Narrow Angle of View
 - Horizontal: 6.2° - 34.8°
 - Vertical: 4.7° - 26.0°
- Signal-to-noise: ≥ 60 dB with AGC OFF

Housing

- IP66 enclosure
- Heated faceplate
- Sunshield protecting from UV and water
- Adjustable and sturdy mounting bracket

Environmental

- -10° C to +50° C (+14° F to +122° F)
- 0 to 95% relative humidity, non-condensing

Dimensions and Weight

- H x W x L
124 mm x 127 mm x 390 mm
- Camera: 2.4 kg (5 lb)
- Bracket: 0.9 kg (2 lb)

Warranty

- Two-year warranty

Regulatory

- RoHS
- CE EN 55032, 55024

SET-UP AND OPERATION

The Autoscope Pn-500 camera is easy to install, set up, and operate to meet your vehicle detection requirements.

- The Pn-500 camera works with all Autoscope rack-based detector cards including Autoscope Pn-520 and Pn-500. It also works with the Autoscope Sn-510 video detection processor.
- Installation and setup is quick and easy with new setup tool.

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