



P-Series Detection Cameras

Powerful yet affordable

Benefits of the P-Series



Robust detection – Vehicle and bicycle differentiation with data collection



All-weather operation – Optimized for outdoor conditions; available heater for ice prevention



Easy to install – simple connections on back of camera



Versatility with value

The P-Series Detection cameras from Iteris are integrated machine vision processors and cameras, designed to use on all types of intersections outside of North America.

The P-Series system provides a versatile, high resolution video traffic camera specially optimized for machine vision processor technology. Each P-Series camera includes a high sensitivity color imager to ensure accurate vehicle detection in all lighting conditions, and agencies have the choice of two fixed or variable zoom cameras depending on functionality required.

The P-Series solution includes the interface controller that resides in the roadside cabinet. All user interface functions are performed through the interface controller such as virtual zone placement, detector output assignment, and video monitoring.

Affordable and accurate

As video cameras are mounted above-ground, installation is far less labor intensive and requires minimal traffic encroachment, thereby reducing lane closures and enhancing safety for installers.

The Iteris P-Series detection system is a complete video vehicle detection solution that is a cost effective replacement to inductive loops and other sensor technologies for many smaller intersections. Other applications include advance detection, highway, ramp metering, and construction-work zones.

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More benefits

- Affordable installation - low cost, easily attainable CAT5e or CAT6 cable
- Central viewing - by pairing with an EdgeConnect (or any video server), can enable remote video viewing
- Adaptive Control ready - detection system available for any adaptive control product

SPECIFICATIONS

	P-Series Cameras	Interface Controller	
Features	Color imager 768 x 494 effective pixels 530 TV Lines Automatic white balance >50dB S/N ratio .0 to 10,000 lux	DIN rail mount Compact design Easy terminations 16 fail safe open-collector Outputs (30 VDC @ 50 ma max.)	
Lens	P50 Fixed focal length 54° FOV adjustable focus	P80 Fixed focal length 85° FOV adjustable focus	PI00 Variable focal length 4.6 to 65° FOV adjustable focus
Connections	Pluggable terminal-6 way • 2 x DC Power • 2 x Differential video • 2 x Differential control		
Dimensions	13.5" (L) x 4" (D) 34.3cm x 10.2cm Without bracket	3" x 6" x 2.5" 7.6cm x 15.2cm x 6.4cm	
Weight	4.25lb (1.92kg)	0.5lb (0.2 kg)	
Op. Temperature	-31°F to +165°F (-35°C to +74°C)	-31°F to +165°F (-35°C to +74°C)	
Humidity	0 - 100% relative	90% relative, non-condensing	
Vibration	0.5G, 3 axes, 5-30 Hz	0.5G, 3 axes, 5-30Hz	
Shock	10G, all 3 axes	10G, 3 axes	
Power	24 to 48VDC, IIW typical 22W max	12 VDC, 0.3 amps 3.6 watts	
Warranty	3 years limited warranty	3 years limited warranty	



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