

Color Video Traffic Detection Camera



Peek Traffic's Color Video Detection Camera is a rugged, high performance video camera designed for use with the VideoTrak-IQ Detection System. Combining high sensitivity in all lighting conditions with high resolution imagery, this camera is the perfect source to feed images into the patented digital image processing algorithms of your Peek video traffic detection system.

Zoom/Focus over coax eliminates the need to ever open the camera housing. Built-in intelligence allows the camera to adjust to all lighting conditions which ensures the VideoTrak-IQ receives the highest quality images possible in all traffic environments.

Designed to handle all weather conditions, the face plate includes an integrated heater design that minimizes fogging of the lens. Heating is indirect to avoid thermal shock issues.

The sunshield extends beyond the faceplate, protects against heat from direct sunlight, is coated black on the underside to remove glare, and includes a lip to direct rain away from the field of view.



980 QUAKER HIGHWAY (146A) ■ UXBRIDGE, MA ■ 01569
508-278-0446 ■ WWW.MARLIN-CONTROLS.COM

Specifications

Features

Property	Description
Imager	1/4 Color CCD - 380,000 Pixels (Sony) 18X Zoom
Lens	f = 4.1mm (wide) to 73.8mm (tele) F1.4 to F3.0 Horizontal Viewing Angle 48° to 2.8°
Zoom/Focus Control	12VDC (Or over Coax) 1.0lx (50db)
Sensitivity	Greater than 50db
Signal to Noise Video Connector	NTSC 1.0Vp-p Color Single 16-pin MilSpec connector combines power, video and zoom control
Weight	4 lbs. 14 oz. (2.21 kg) 11.7" (297 mm) Length
Dimensions	4.41" (112mm) Height (Not including sunshield)
Environmental	Temperature -37° C to +74° C (-35° F to +165° F) 0% to 100% Relative Humidity
Power	115 VAC - 20W (Heater On) - 5W (Heater Off)

- Simple installation – no need to ever open housing
- Zoom and focus controls are adjusted at the cabinet using the existing coaxial video connector
- Autofocus automatically follows any zoom command eliminating the need for manual focus operation which reduces the risk for poor night focus
- Camera provides full color / motorized zoom focus control – with autofocus and manual focus override
- 18 Times zoom lens is more than adequate for adjusting the image for optimum video detection over several lanes
- High sensitivity camera – designed to provide optimum image in all lighting conditions
- Full color camera designed to complement VideoTrak-IQ and is compatible with previous generation Peek video products
- While the camera is smaller and lighter it retains the same bracket, connector and pin-out design, to make it reverse compatible with existing Peek installations
- Camera sled (cradle) can be rolled through 360 degrees (to provide level adjustment of image)
- Designed to meet NEMA and FCC Class B, part 15 requirements.



Selecting the proper camera location will greatly improve the accuracy of your detection results. See your Peek distributor or contact your Peek representative for a detailed illustration map on the recommended camera installation location.



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