



Color Video Traffic Detection Camera

Overview

Peek Traffic's Color Traffic Detection Video Camera is a rugged, high performance video camera designed to be used with the VideoTrak-IQ®, VideoTrak® & UniTrak™ Detection Systems. 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 systems.

Utilizing a 1/4-inch format CCD imager with a built-in infrared (IR) cut filter, the Peek Camera is fully automatic and easy to install in a variety of environments. Built-in intelligence allows the camera to adjust to all lighting conditions using its automatic high-speed electronic shutter. That, and the camera's industry-leading resolution, ensures that the VideoTrak-IQ, VideoTrak & UniTrak processors receive the highest quality images possible in all situations.

The camera's tough enclosure is tested and certified to handle nearly any weather and environmental condition. Designed to handle weather extremes, salty atmospheres, safety and industry standards, the VDS Camera is designed to meet NEMA, MIL-STD-810E, and FCC Class B, part 15 requirements.

A standard sun shield is provided with each enclosure. The sun shield helps cool the enclosure and also guards against unwanted glare and reflection. An integrated, temperature-controlled heater ensures that the electronics operate and the front window remains clear in all situations, from frigid weather to high humidity.

A power lens allows the focus and zoom of the camera to be adjusted without opening the enclosure, providing increased stability after installation.

The Peek Color Video Traffic Detection Camera can be ordered from your local Peek video distributor.

Features

- Entirely new camera design provides additional features in a smaller housing.
- Full color camera designed to complement VideoTrakIQ and is completely compatible with VideoTrak and UniTrak
- While the camera is smaller and lighter it retains the same bracket, connector and pin-out design, to make it completely reverse compatible with existing Peek installations
- 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
- Zoom and focus controls operate with existing control devices (e.g. Peek field video monitor). Autofocus automatically follows any zoom command – eliminating the need for a manual focus operation, and reduces the risk of poor night focus
- Zoom and Focus control is also enabled over the coaxial video connector (requires VideoTrak-IQ)
- High sensitivity camera – designed to provide optimum image in all lighting conditions
- Simple installation – no need to open housing
- Rugged housing – designed to handle all weather, meets IP68/NEMA-6P – The front-end cap contains a glass viewing window with an integrated heater design that minimizes fogging of the window in high humidity areas, or freezing under cold temperature conditions. Heating is indirect, to avoid thermal shock issues.
- Camera sled (cradle) can be rolled through 360° (to provide level adjustment of image)
- Sunshield limits direct heat from sun, extends beyond faceplate to remove glare from low sun, includes lip to direct rain away from field of view, coated black on the inside to reduce sun reflections into the camera



Specifications

Property	Description
Imager	1/4" Color CCD 380,000 pixels
Lens	<ul style="list-style-type: none">• 18x Zoom• 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 with VideoTrak-IQ)
Sensitivity	1.0lx (50IRE)
Signal to Noise	Greater Than 50dB
Video	NTSC 1.0Vp-p Color
Connector	Single 16-pin MilSpec connector – combines power, video and zoom control
Weight	4lb 14oz (2.21 kg)
Dimensions	<ul style="list-style-type: none">• 11.7" (297mm) Length• 4.41" (112mm) Height
Environment	<ul style="list-style-type: none">• Temperature -34° C to +74°C (-29°f to +165 ° f)• 0% to 100% Relative Humidity
Power	<ul style="list-style-type: none">• 115 VAC• 20W (Heater On)• 5W(Heater Off)
Part Number	82-1773



*Peek Color Traffic Detection Camera
without Sun Shield*

Two Year Limited Warranty

Peek Traffic warrants this product against manufacturing defects in materials and workmanship for two years from date of shipment from Peek Traffic. Specific contracts and regional laws may vary or alter these terms.

