

# VIP Color Camera

2050-102MI



The 2050-102MI color camera assembly is the “eye” of the Traficon “VIP” Video Detection System.

Housed in an extruded aluminum, weatherproof IP68/ NEMA-6P enclosure, the 2050-102MI camera provides clear, high resolution video in all weather conditions. Located in the front of the housing, an integrated heater minimizes fogging of the housing window in high humidity areas as well as freezing in cold conditions.

The sunshield extends beyond the front of the housing window to reduce the effects of sunlight & heat and also acts as a diversion for water.

The camera and lens utilize the latest imager chip sets to reduce blooming from vehicle headlights at night. The lens is motorized and ranges from 6.5mm to 65mm. Wider lenses are also available.

Advanced features of the camera include the capability to change between color, day/night and monochrome. The camera features “wide dynamic” to aide in difficult lighting area such as underpasses and between buildings. A self-resetting diode on the camera’s power board minimizes system down time due to transients.

The most popular feature of the assembly is the integrated junction box. The junction box ships as a standard option and already contains video, power and zoom/focus lens control wiring. Installers simply run our Siamese cable from the cabinet and terminate the connections inside the junction box.

The entire assembly ships with the housing, camera/ lens, pan/tilt bracket, junction box and camera wiring. It attaches to mast arm, luminaire arm or side-of-pole camera mounting brackets.



# VIP Camera Assembly

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## Camera Specifications-

### Image Sensor:

Interline 1/3" Sony Super HAD II CCD™

### Effective Pixels:

768 (H) X 494 (V)

### Horizontal Resolution:

540 TV Lines

### Min. Illumination:

0.1 lux

### Temperature Range:

-34°C to +74°C, 0 to 100% relative humidity, non-condensing

## Lens Specifications-

### Image Format:

1/3"

### Focal Length:

Motorized- 6.5mm to 65mm (40.5° to 4.2°)

### Iris:

F1.4 to 360

## Junction Box Specifications-

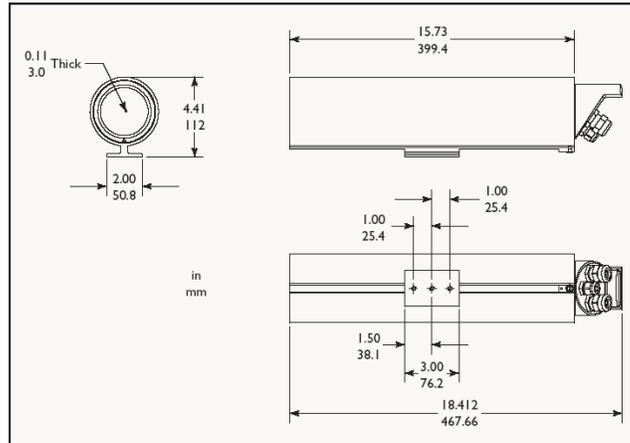
### Construction:

Rigid PVC, certified to NEMA 1, 2, 3, 4, 4x, 6P, 12, 13  
UL514B- UL514C

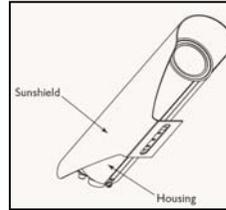
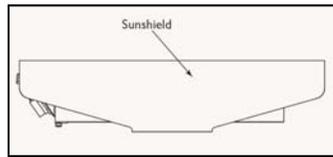
### Connections:

Edco surge protector BNC & 6-conductor, (shipped with assembly inside the junction box)

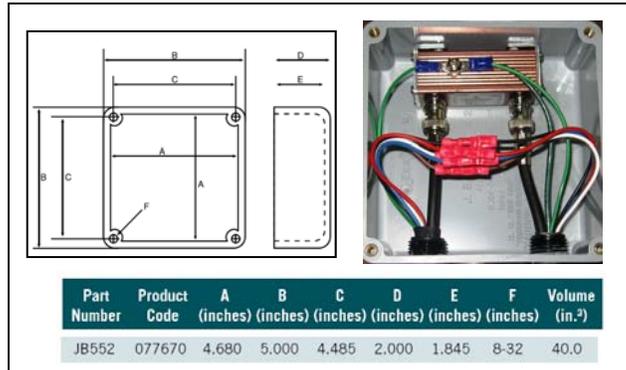
## Camera Housing Dimensions



## Sunshield



## Junction Box Dimensions



### Zoom lens control at the cabinet!

When using our standard "Siamese" video & coaxial cable, the camera's motorized zoom lens can be controlled from the convenience and safety of the traffic control cabinet.



Pictured: Siamese Cable & CT Zoom Lens Controller

## Housing Specifications-

### Construction:

Extruded aluminum housing, aluminum rear-end cap, aluminum front cap with glass faceplate, and aluminum cradle (6063-T6)

### Mounting:

Three (3) 1/4-20 tapped holes. Cradle may be rotated through 360°

### Window:

0.118" (3 mm) thick glass. Includes thermostatically-controller window heater/defogger

### Temperature Range:

-34°C to +74°C, 0 to 100% relative humidity, non-condensing

### Cable Entry:

Three liquid-tight fittings

### Salt Atmosphere:

MIL-STD-810E, Method 509, Procedure I

### Enclosure Protection:

IP68, Designed to meet NEMA-6P

### Power:

115 VAC, 50/60 Hz  
13 Watts (Includes 4 Watt Heater)

### Sunshield:

Provides protection from the direct rays of the sun and promotes cooling to reduce internal housing temperatures