

# CAM940C/CAM940CE Wall Mount PIR Detector with Integral CCD Color Camera



With their small, easy to mount, attractive sensors, the CAM940C and CAM940CE offer selectable sensitivity for installation versatility. The integrated camera is complete with timer and relay outputs for alarm and VCR control. Selectable modes for either switcher or PIR control of the camera offer a lower current draw option.

## ■ Features

- Full function PIR
- Motion Analyzer II PIR signal processing
- 12 m x 12 m (40 ft. x 40 ft.) PIR coverage
- PIR sensitivity adjustment
- Color camera with 3.4 Lux light sensitivity
- NTSC or PAL video format
- 330 lines of horizontal resolution
- Intelligent camera control
- The camera may be left on or controlled by the PIR
- Dual relay outputs for alarm and VCR control
- Includes video cable with BNC connector

## ■ Functionality

### PIR signal processing

Motion Analyzer II uses multiple thresholds and timing windows to analyze timing, amplitude, duration and polarity of signals to make an alarm decision. Will not alarm on extreme levels of thermal and illumination disturbances caused by heaters and air conditioners, hot and cold drafts, sunlight, lightning, and moving headlights. Two sensitivity settings are provided.

## ■ Approvals

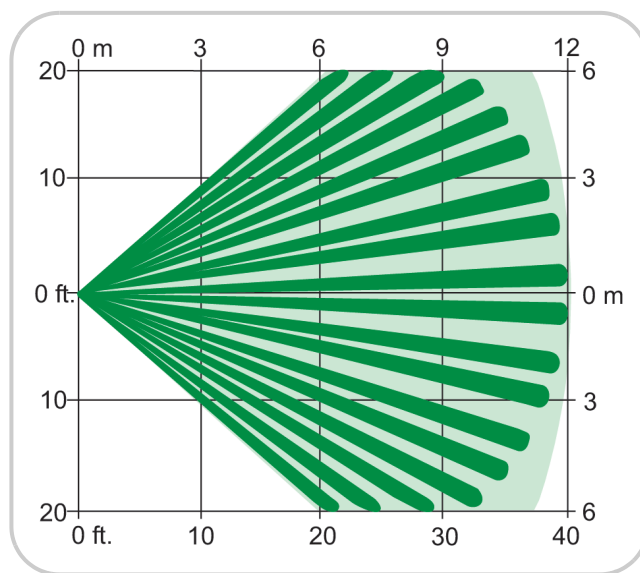
UL Standard      UL639, Intrusion Detection Units  
Approval      **CE**

## ■ Planning

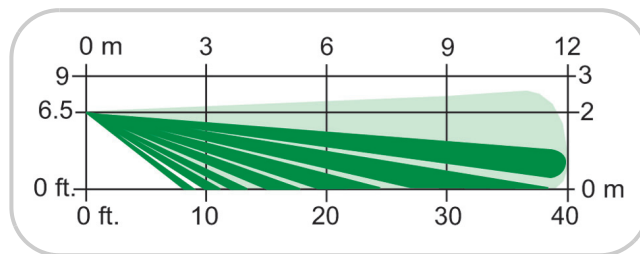
### PIR Coverage and Camera View

**12 m x 12 m (40 ft. x 40 ft.)**

*Top View*



*Side View*



### Planning

For your convenience, video cable and B335 Low Profile Mount Bracket are included.

## ■ Specifications

Enclosure Design	
Material:	High impact ABS plastic enclosure
Dimensions (H x W x D):	9.5 cm x 5.7 cm x 3.8 cm 3.75 in. x 2.25 in. x 1.5 in.
Environmental Considerations	
Operating Temperature:	-10°C to +49°C +14°F to +120°F <i>For UL Certificated installations, 0°C to +49°C (+32°F to +120°F)</i>
Mounting	
Location:	Wall mount
PIR Relay	One Form A Normally Closed (NC) contact provided for PIR alarm output. Contacts are rated for 125 mA @
Power Requirements	10 to 14 VDC, 35 mA @ 12 VDC Standby, 150 mA in Alarm or with camera on.
Tamper Output	Normally Closed (NC) contact. The contact is rated for 125 mA @ 12 VDC.
Video Camera	The Video Camera (a 1/3-inch color CCD) has a 3.6 mm fixed focal length lens offering 330 lines of horizontal resolution with a light sensitivity of 3.4 Lux.
Video Output	A video output cable is provided with type "BNC" connector for connection up to 152 m (500 ft.) of RG59/U or similar coaxial cable.
Video Relay and Timer	Form C Normally Open/Normally Closed (NO, C, NC) contacts are provided to activate external devices such as VCRs or illumination devices. Contacts are rated for 125 mA @ 12 VDC. These contacts follow a field-selectable timer that can be adjusted for 15 or 60 seconds after motion is detected. Each time the PIR detects motion the timer is restarted. The camera can be programmed to operate continuously or follow this timer.

## ■ Hardware Accessories

### B338 Ceiling Mount Bracket



For DS308EA, DS775, DS777Z, DS778, DS820i, DS825, DS835i, DS840, DS935Z, CAM940, and OD850.  
Is shipped in packages of 3.

### CAM940C Detector with NTSC Video Output

Prod. ID	CAM940C
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The wall mount CAM940C PIR Detector provides a NTSC signal and 512 (H) x 492 (V) effective pixels with electronic shutter speeds from 1/60 to 1/100,000 second.

### CAM940CE Detector with PAL Video Output

Prod. ID	CAM940CE
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The wall mount CAM940CE PIR Detector provides a PAL signal and 512 (H) x 582 (V) effective pixels with electronic shutter speeds from 1/50 to 1/100,000 second.