

PIR/Color Camera

CAM940C/CAM940CE PIR Detector with Integral CCD Color Camera

CAM940C	Standard composite NTSC video format
CAM940CE	PAL video format



With their built-in, color cameras, the CAM940C and CAM940CE PIR Motion Detectors provide a new level of security sensors from Detection Systems. These small, easy to mount, attractive sensors 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. The CAM940C provides standard composite NTSC video while the CAM940CE provides PAL format.

■ Features

- Full Function PIR
- Patented Signal Processing
- 40 x 40 ft. (12 x 12 m) PIR Coverage
- PIR Sensitivity Adjustment
- Color Camera with 0.3 Lux Light Sensitivity @ $f1.2$
- NTSC or PAL Video Format
- 420 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 Type "BNC" Connector
- UL Listed

■ Certification

UL Listed

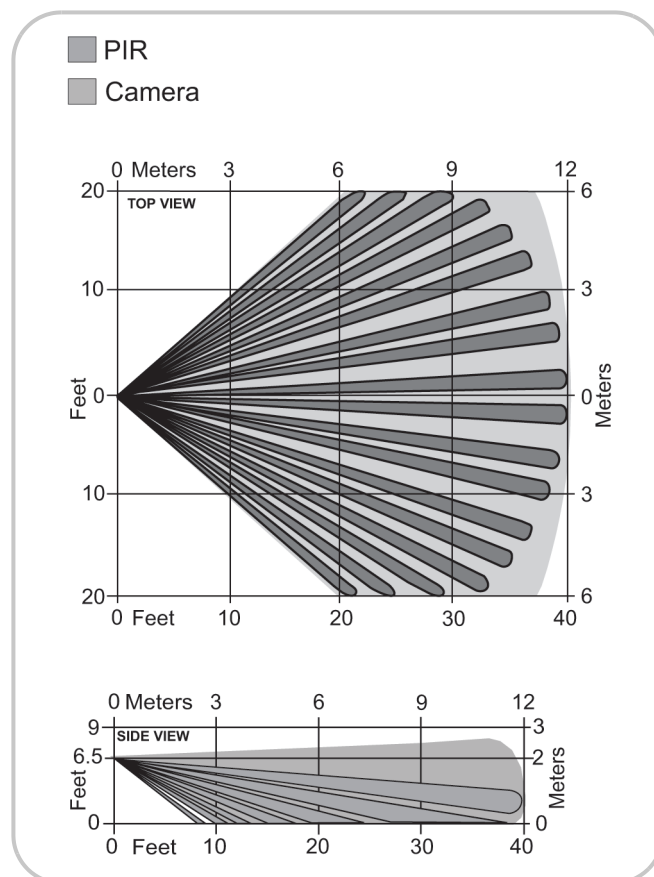
■ Patents

4,764,755

■ Coverage

PIR Coverage




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



Technical Specifications

Power Requirements	10 to 14 VDC, 35 mA @ 12 VDC Standby, 150 mA in Alarm or with camera on.
PIR Relay	One Form A Normally Closed (NC) contact provided for PIR alarm output. Contacts are rated for 125 mA @ 12 VDC.
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 lines of horizontal resolution with a light sensitivity of 0.3 Lux @ <i>f</i> 1.2 lens. The CAM940C provides 512 (H) x 492 (V) effective pixels with electronic shutter speeds from 1/60 to 1/100,000 second. The CAM940CE provides 512 (H) x 582 (V) effective pixels with electronic shutter speeds from 1/50 to 1/100,000 second.
Operating Temperature Range	+14°F to +120°F (-10°C to +49°C). For UL Certificated installations, +32°F to +120°F (0°C to +49°C).
Video Output	The CAM940C camera provides a standard composite NTSC signal while the CAM940CE camera provides a PAL video signal. Both are 2:1 interlaced, into 75 Ohms. A video output cable is provided with type "BNC" connector for connection up to 500 ft. (152 m) 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.
Enclosure Design	High impact, fire retardant, ABS plastic enclosure. The detector measures (HxWxD) 3.75 in. x 2.25 in. x 1.5 in. (9.5 cm x 5.7 cm x 3.8 cm).
Mounting	Wall mount. Includes B335 Low Profile Mount Bracket. Optional Ceiling Mount (B338) available.

Standard and Optional Accessories

	B335 Low Profile Mount Bracket (included)		B338 Ceiling Mount Bracket (optional)
	Video Cable (included)	B335 Low Profile Mount Bracket is shipped in packages of 3.	