


BOSCH

Invented for life

CAM940CE & CAM940C Indoor Covert (PIR) Color Cameras



- ▶ Full-function PIR
- ▶ Patented signal processing
- ▶ 12 x 12 m (40 x 40 ft) PIR coverage
- ▶ PIR sensitivity adjustment
- ▶ 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

The CAM940CE and CAM940C are fully-functioning passive infrared (PIR) intrusion detectors with integrated cameras. Looking like standard PIR motion detectors, the CAM940CE and CAM940C conceal their ability to view their coverage areas. The PIR detectors cover a 12 x 12 m (40 x 40 ft) area and offer selectable sensitivity.

The integrated cameras are complete with timers 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.

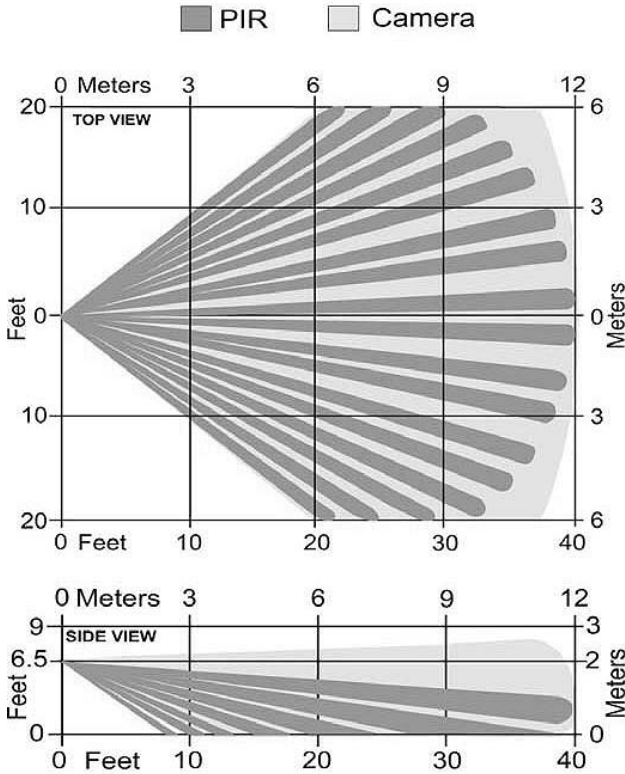
The CAM940CE and CAM940C provide standard composite PAL or NTSC video from an integral color CCD camera. The CAM940CE and CAM940C have a built in pinhole color camera. The cameras are supplied with a BNC video cable.

These small, easy to mount, attractive sensors provide installation versatility. They can be surface mounted directly to a wall or onto the supplied low-profile swivel bracket.

Certifications and Approvals

	CAM940CE (PAL)	CAM940C (NTSC)
Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003 and CE regulations	Complies with FCC Part 15, ICES-003 and CE regulation
Product Safety	Complies with CE regulations, UL, CSA, EN and IEC standards	Complies with CE regulations, UL, CSA, EN and IEC standards

Installation/Configuration Notes



Technical Specifications

Power

	CAM940CE (PAL)	CAM940C (NTSC)
Input Voltage	10 VDC to 14 VDC ¹	10 VDC to 14 VDC ¹
Input Current	35 mA @ 12 VDC standby; 150 mA in alarm or with camera on	35 mA @ 12 VDC standby; 150 mA in alarm or with camera on

1. Not compatible with TC120PS. Requires regulated and filtered 12 VDC power supply.

PIR

	CAM940CE (PAL)	CAM940C (NTSC)
Coverage	12 x 12 m (40 x 40 ft)	12 x 12 m (40 x 40 ft)
Relay	One Form "A" Normally Closed (NC) contact rated for 125 mA @ 12 VDC provided for PIR alarm output	One Form "A" Normally Closed (NC) contact rated for 125 mA @ 12 VDC provided for PIR alarm output

Tamper

	CAM940CE (PAL)	CAM940C (NTSC)
Relay	Form "A" Normally Closed (NC) contact rated for 125 mA @ 12 VDC	Form "A" Normally Closed (NC) contact rated for 125 mA @ 12 VDC

Video

	CAM940CE (PAL)	CAM940C (NTSC)
Pick-up Device	1/3-in. color CCD; PAL standard	1/3-in. color CCD; NTSC standard
Scanning System	2:1 Interlace	2:1 Interlace
Output	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm
Minimum Illumination	3.4 Lux with pinhole lens	3.4 Lux with pinhole lens
Relay & Timer	Form "C" contacts provided to activate external devices such as VCRs or illumination devices. Contacts rated for 125 mA @ 12 VDC and follow a field selectable timer adjustable for 15 to 60 seconds after motion is detected. Timer restarted each time PIR detects motion. Camera programmable for continuous operation or to follow timer.	Form "C" contacts provided to activate external devices such as VCRs or illumination devices. Contacts rated for 125 mA @ 12 VDC and follow a field selectable timer adjustable for 15 to 60 seconds after motion is detected. Timer restarted each time PIR detects motion. Camera programmable for continuous operation or to follow timer.

Lens and Iris

	CAM940CE (PAL)	CAM940C (NTSC)
Lens	3.6 mm Pinhole; 75° field of view	3.6 mm Pinhole; 75° field of view
Shutter Speed (max)	1/50 sec to 1/100,000 sec	1/60 sec to 1/100,000 sec

Resolution

	CAM940CE (PAL)	CAM940C (NTSC)
Horizontal	>330 TV Lines	>330 TV Lines

Housing

	CAM940CE (PAL)	CAM940C (NTSC)
Material	High-impact, fire-retardant ABS plastic	High-impact, fire-retardant ABS plastic
Dimensions (H x W x D)	95 x 57 x 38 mm (3.75 x 2.25 x 1.5 in.)	95 x 57 x 38 mm (3.75 x 2.25 x 1.5 in.)

Mounting

	CAM940CE (PAL)	CAM940C (NTSC)
Standard	Wall mount; includes B335 swivel bracket	Wall mount; includes B335 swivel bracket

Environment

	CAM940CE (PAL)	CAM940C (NTSC)
Ambient Temperature	-10°C to 49°C (14°F to 120°F)	-10°C to 49°C (14°F to 120°F)

Documentation

	CAM940CE (PAL)	CAM940C (NTSC)
US Patents	#4,764,755	#4,764,755

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