EVERON-PCAM

Everon Blinx - Wired PIR sensor with integrated camera

Integrated camera and PIR

The PIRCAM is a combination of a passive infrared detector (PIR) and a built-in high resolution colour camera as part of the Everon intrusion platform. The PIRCAM helps to distinguish between true and false alarms thus increasing overall efficiency and improving response to alarms.

As a result, the PIRCAM is a valuable enhancement to any residential or commercial security system, offering visual verification of alarm events. This enables operators at Central Monitoring Stations to prioritize follow-up actions more effectively.

The PIRCAM cylindrical shape and curved front surface give it a sleek, modern appearance that blends into various environments. The front-facing camera lens subtly integrated, indicates its focus on discrete surveillance.

Camera

The camera's field of view and contrast are optimized to deliver high-quality video, even in low-light or nighttime conditions, eliminating the need for manual adjustments.
Monitoring stations receive recorded streaming video rather than a series of still images, enabling more effective alarm verification. Additionally, end-users can access the PIRCAM live video or recorded video clips through the App when connecting to the Everon security system.

PIR

The PIRCAM features a 12 meter passive infrared detection range. Powered by Aritech's advanced mirror optics and neural technology, the PIRCAM brings high detection accuracy.

Installation

For proper installation, we recommend using a Cat 5 twisted pair Ethernet cable for the communication between the PIRCAM(s) and the Everon panel. Up to 6(*) PIRCAMs can be connected to the panel's fast databus BUS3. The PIRCAMs can easily be enrolled through the panel's web application.



Details

- Up to maximum 6 Everon Blinx's per Everon system (*)
- 4-wire bus connection supporting distances up to 100 meters
- 9 high-density mirror curtains for precise motion detection
- Uses UltraSync protocol for secure and reliable communication
- Automatic switching between day and night modes
- Real-time video streaming via Edge API directly to CMS
- Pre- and Post-trigger recording
- Integrated with the Advisor Advanced Mobile Application
- Configuration through the Everon Web Application

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Technical specifications

General

Technology	PIR
Anti masking	No
Pet immune	No
Camera	Yes
Detector start-up time	60 s
Motion / event triggered video clip	Triggered by control panel Linked to zone
Pre-recording	5 sec.
Post-recording	10 sec.

Detection

Detection range	12 m
No. of curtains	9
Viewing angle	78 degrees
Upright target speed range	0.1 to 3.0 m/s
Crawling target speed	0.2 m/s min.

Wired/wireless

Wired-wireless	Verdrahtet

Electrical

Power supply value	9 to 28 VDC (12 VDC nominal)
Current consumption	Night mode: 142 mA max., day mode: 100 mA max.
Wiring	Everon fast data bus (BUS3) (*) up to 6 PIRCAMs of which max. 5 PIRCAMs powered from BUS3

Physical

Physical dimensions	128.0 x 64.4 x 68.0 mm
Net weight	185 g
Colour	Weiß
Mounting height	2 to 3 m

Environmental

Operating temperature	−10 to +55°C
Relative humidity	95% max., noncondensing
IP rating	IP30 IK04

Regulatory

EN50131 grade	Klasse 2
Certification	EN50131 Grad 2, INCERT, SBSC

Camera

Video resolution	1080p (1280 x 1080)
Colour modes	Colour / Black and white
Night illumination	Up to 7 m
Frame rate	5 fps (640 x 540), 10 fps (1280 x 1080)
Video format	RTSP

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