

PIRCAM700L20-P7110

User manual



Feature

1. Original 1/3" Sony Effio CCD
2. High resolution 700TVL
3. 3.7mm pinhole lens
4. PIR Sensor hidden camera camera

Specification

Image Sensor	1/3" Sony Effio CCD
Effective pixel	NTSC: 976(H)*494(V) PAL: 960(H)*582(V)
Horizontal Resolution	700TVL
PIR	IR Motion Detector, Sensitive Distance 5-10m
Lens	3.7mm pinhole lens
Scanning Area	4.9mm(H)*3.7mm(V)
Min illumination	0.01lux
Electronic Shutter	Auto
Audio	Optional, Built in Mic
S/N Ratio	≥48dB
Sync System	Internal
Video Output	1VP-p Composite Output (75Ohm/BNC)
Day/night	Color to BW
OSD Menu	No
AGC	Auto
White Balance	Auto
BLC	Auto
Power Supply	12V DC
Operating Temperature	-10°C ~ 50 °C

PRODUCT INTRODUCTION

The product is passive infrared detector with high stability. It has adopted advanced technology in signal processing and provided superhigh detection ability and anti error alarm. The detector will detect movement of human automatically when intruder passes through the detection area, and it will send out alarm signal to alarm host if there is movement. The product is suitable for the safety of residential house, villas, factories, markets, warehouses, office building etc.

Alarm output:N.C. or N.O., DC28V,100mA

Anti dismantle output: N.C., DC28V 100mA

Range of coverage: 11 distance, 8 middle, 5 vicinities

Sensor: dual element infrared sensor

Operating temperature: -10 ℃ to +50℃

Environment humidity: ≤ 95% RH (no congelation)

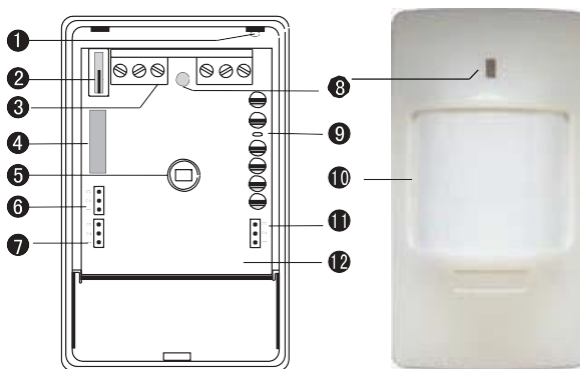
Anti RF interference: 10MHz —1GHz 20V/m

Installation mode: wall mounted or hanged in corner

Installation height: 1.7 to 2.5m (2.2m is Proposed)

Outline Size: 59L*39.5W*107H mm

PRODUCT PROFILE



Notes:LED indicator should be kept over the lens when installation

- | | |
|-------------------------|-------------------------|
| ① Wire Exit | ⑦ Relay Jumper |
| ② Anti-dismantle Switch | ⑧ LED Indicator |
| ③ Terminal Block | ⑨ Thermistor Resistance |
| ④ Relay | ⑩ Lens |
| ⑤ Infrared Sensor | ⑪ Pulse Jumper |
| ⑥ LED Jumper | |

MAIN FEATURE

- Intelligent logic control, anti false alarm efficiently
- Auto temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference (20V/m-1GHz)
- Fresnel lens
- Wall/ceiling installation
- SMT design adopted
- Alarm output N.C. / N.O. Optional

TECHNICAL SPECIFICATION

Operating voltage:DC 9V — 16V

Current consupcion: ≤18mA(DC12V)

Detecting distance: 12m

Detecting angle: 110°

Self-testing time: 60S or so

Operating temperature: -10 ℃~+50 ℃

Alarm indicator: red LED

INSTALLATION

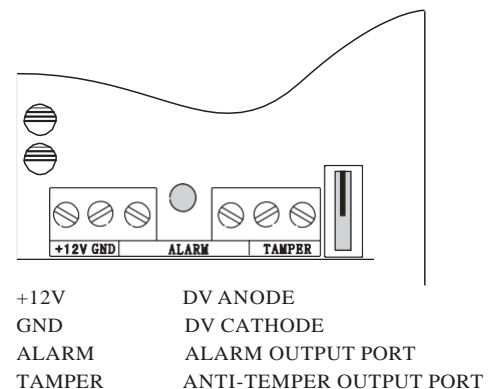
1. Installation at the out door,place with pets, air-condition nearby, direct sunshine, heat source and under the rotating objects should be avoided.
2. Surface of installation should be firm with no vibration.
3. Installing the detector in the place where intruder passes easily.

INSTALLATION STEP

1. Screw the detector bottom off, then open the detector.
2. Screw the PCB off, and remove the PCB.
3. Drill a wire hole in the rear housing.
4. Install the rear housing on the suitable position.
5. Connect the terminal block.

(Referring to the following figure)

TERMINAL BLOCK FIGTURE



OPERATING INSTRUCTION

Function Setting

1. Relay Jumper: Short N.C. or N.O. to set the state of alarm output. You should choose different alarm output in accordance with alarm host.
Short 1&2: N.O.
Short 2&3: N.C.
2. Pulse Jumper: You can adjust the sensitivity and anti RF interference by choosing the Pulse Jumper.
Short 1&2: class 1 pulse, the sensitivity and anti RF

interference is general, adapt to general environment.

Short 2&3: class 2 pulse, the sensitivity is highest, and anti RF interference is high, adapt to the environment with strong RF interference.

Shut off: class 3 pulse, the sensitivity is low, and the anti RF interference is highest, adapt to the environment with exceeding RF interference.

- LED Jumper: Control LED indicator, no effect of detector normal work.

Short 1&2: set LED ON

Short 2&3: set LED OFF

LED can be shut off for concealment of the detector after

Test.

Product testing

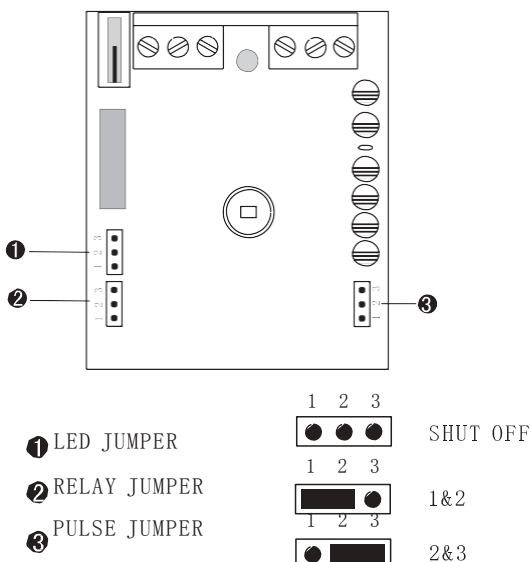
Turning on power and LED indicator on, the detector comes into the state of self-check, it takes about 60s, after that it is in the state of normal work. Conner should walk parallel with the wall installed detector in the testing area.

LED lighting means the detector is in the state of alarm.

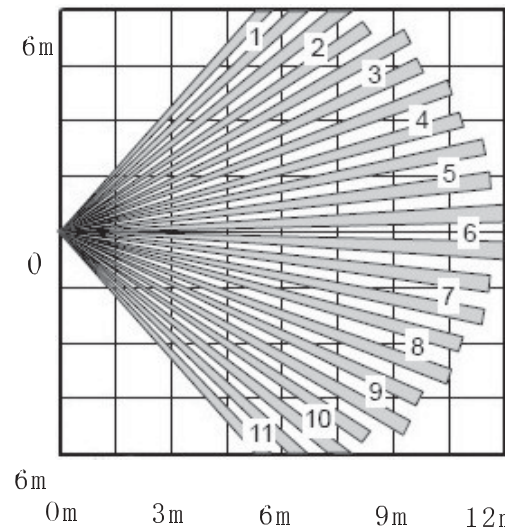
NOTICE

- Please install and use the detector according to this manual, don't touch the surface of sensor for avoiding affecting the sensitivity of the detector. Please shut off power and then clean the sensor by soft cloth with little alcohol if cleaning needed.
- The product can reduce accident but may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.
- In order to ensure it can work normally, the power should be kept to supply and get on walking test periodically, once a week is better.

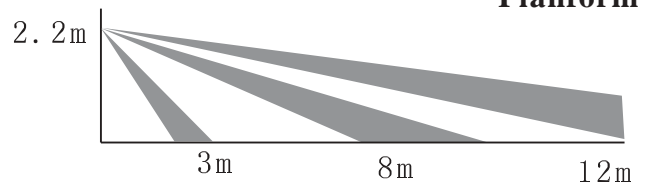
JUMPER SETTING FIGURE



Detecting Area View



Planform



Side View