VISUAL VERIFICATION PIR CAMERA InSight series

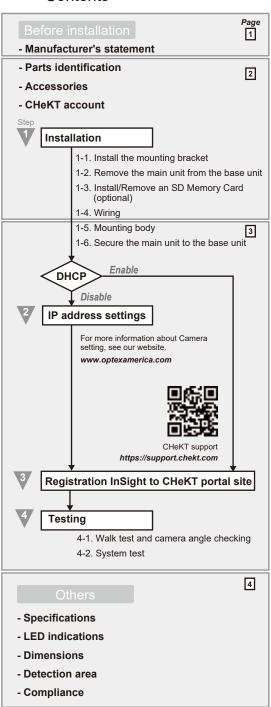
INSTALLATION INSTRUCTIONS

Quick Guide

Full information is available at https://www.optexamerica.com

- This "Quick Guide" is the part of the entire installation instructions that guides the installation procedures for installers.
- Get the full information of the installation instructions from the web site.
- If you need a guide to the operation of the whole system, please consult the installer of the entire system.

<< Contents >>



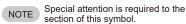
Before installation

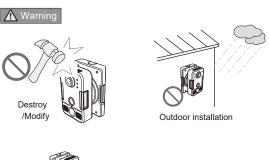
- Manufacturer's statement

Marning Failure to follow the instructions provided with this indication and improper handling may cause death or serious injury.

Caution Failure to follow the instructions provided with this indication and improper handling may cause injury and/or property damage.







Detection through glass



Partial/complete obscuration of the detection area.

▲ Caution





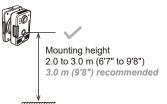


Wetting with water









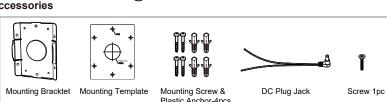


Follow to the Regulations

- Parts identification Base unit Main unit Mic

Main unit (Rear side) SD Card Slot Lan Port Lens 12V DC Port Alarm Terminal Port Reset / WPS LED Illumination Sensor PIR Sensor Speaker

- Accessories



- CHeKT account

If you do not have a CHeKT account, request a dealer account by visiting the "CHeKT dealer", before Step 3. Refer to the "CHeKT support" for more details.



CHeKT dealer

www.chekt.com/registration



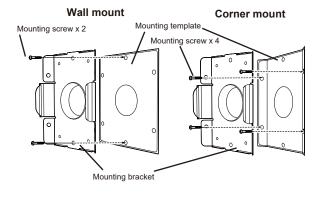
CHeKT support

https://support.chekt.com

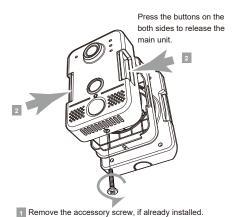


Installation

1-1. Install the mounting bracket



1-2. Remove the main unit from the base unit



Card (optional)

1-3. Install/Remove an SD Memory

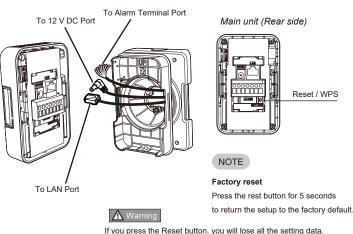
Install



Remove

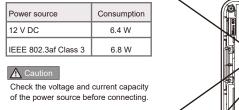


1-4. Wiring



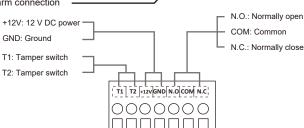
If needed, make a note for further installation.

Powe connection

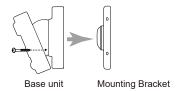


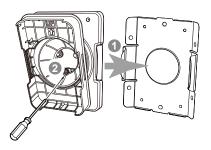
2 Network connection -Connect the crossover cable into the RJ-45.

Alarm connection

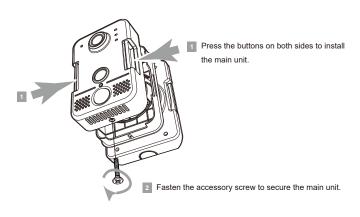








- Fasten the base unit to the mounting bracket fixed on the wall.
- Tighten the screw to prevent the base unit movement.



The default network type of InSight is dynamic. If you have a DHCP server, it will automatically set the InSight.

Jump to Step 3

Step



IP address settings

If you do not have a DHCP server, it will set as follows after one minute.

Initial address: Refer to the label on the InSight

User name: root

Default password: OPTEX

Change your password as appropriate.

Download IP installer;

IP installer is available as a dedicated software for searching IP addresses of CUBE.

See our website. www.optexamerica.com





Device registration to CHeKT portal

Setup your CHeKT Dealer Portal:

- 1. Go to http://dealer.chekt.com/ to log in.
- 2. Select the Customer on the left side of the dashboard.
- 3. Select the Site Devices tab.
- 4. Select the bridge device to be associated with the sensor camera.
- 5. Access the bridge settings using the gear icon to its right.
- 6. Select the appropriate tab to register the PIR camera.

Refer to the site for more details.



CHeKT suppor https://support.chekt.com

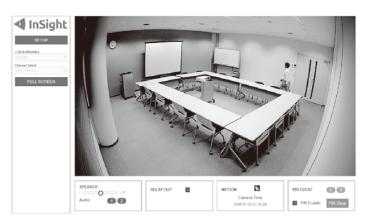
Step



Testing

4-1. Walk test and camera angle checking

Walk in the detection area to check the detecting performance via LED indication.



4-2. System test

Check the image at the time of detection on the monitoring portal.

- Specifications

Model	INS-CUBE
PIR Detection	
Detection method	Passive infrared
PIR coverage	Up to 10m, 120° angle of view

Camera	
Image sensor	1/2.8" Progressive Scan CMOS
Lens	2.8mm, F1.6
Min. illumination	0.035 lux, AGC on/0 lux with IR (F1.6)
IR range	Up to 10m
Angle of view	110°
Day/Night	IR cut filter with auto switch
Shutter times	1/15 s to 1/32,000 s

Image and compression		
Max. image resolution	1,920 x 1,080	
Frame rate	60 Hz, 30 fps	
Digital noise reduction	3D DNR	
Wide dynamic range	Ture WDR	
Image setting	Rotate mode, Saturation, Brightness, Contrast, Sharpness, AGC, ROI	
Video compression	H.264, H.265, MJPEG	
Video bit rate	100 kbps to 10 Mbps	
Audio compression	G.711	

Wi-Fi	
Wireless standard	IEEE 802.11.b, 802.11g, 802.11n
Frequency range	2.4 GHz to 2.4835 GHz
Channel bandwidth	20 MHz support
Protocols	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
Security	64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSk, WPS
Wireless range	25 m (Dependent upou environment)

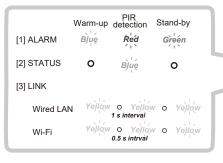
Electrical and interface		
Power supply	12 V DC ±10%, PoE (802.3af)	
Power consumption	12 V DC 6.4 W, PoE (802.3af) 6.8 W	
Communications	1 RJ45 10 M/100 M Ethernet port	
Audio input	Built-in microphone	
Audio output	Built-in speaker	
Alarm output (N.O./N.C.)	1 channel signal	
Tamper alarm (switch)	1 channel signal	

Environmental and mechanical	
Operarion temperature	-20°C - 50°C (-4°F - 122°F)
Environmental humidity	90% max
Dimensions	87.6 mm x 114 mm x 72.1 mm
Weight	297 g

Functions	
	PIR detection, Network disconnect
Alarm triggers	IP address conflict, Storage exception
	Temperature critical, Audio detection
Local storage	Built-in Micro SD, SDHC, SDXC
	card slot, up to 128 GB
Security	One-key reset, Flash-prevention,
	Dual stream, Password protection,
	Privacy mask, IP address filtering,
	Anonymous access
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP,
	DNS, DDNS, RTP, RTSP, RTCP, NTP,
	UPnP, SNMP, IGMP, 802.1X, QoS,
	IPv6, Bonjour

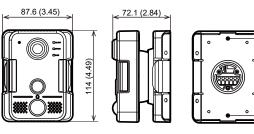
- · Specifications and designs are subject to change without prior notice.
- These units are designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion.

- LED indicator





- Dimensions

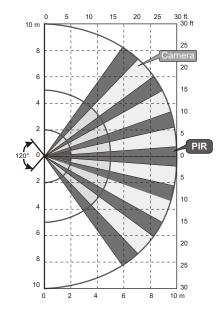


Unit: mm (inch)

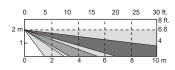
50 (2.36)

- Detection area

Top view



Side view



- Compliance

Personal Information

This product is equipped with the function to produce moving and/or still image of the designated area and its surrounding and can store the recorded imagewhich includes the information such as face of an individual that could identify the individual. Prior to the installation of this product, the compliance to local laws and regulations needs to be confirmed by the user of this product for the lawful installation and use of this product, and signage and notification when using this product. User of this product is deemed to be responsible for the compliance of any laws and regulations relating to personal information, privacy protection and rights of portrait upon use of this product. Image taken by this product is required to be treated appropriately under the responsibility of the user of this product. OPTEX Co., Ltd. and its subsidiaries (hereinafter collectively called "OPTEX") shall not wilfully obtain or utilise the image taken by this product. However, only when dealing with troubles of this product upon request of user, OPTEX may obtain and utilize the necessary image recorded by this product. When doing so, OPTEX shall not treat such image for the purpose of identifying an individual. OPTEX shall treat such image according to its Privacy Policy. When requesting OPTEX to support a trouble of this product, the user may be required to perform applicable legal notification. Ensure to follow the appropriate procedure prior to sharing of personal information and data to OPTEX. Installation of this product, producing image, monitoring, recording with camera and handling of personal information or data shall all be performed under discretion and responsibility of user of this product, and OPTEX shall not be held liable for any dispute between a user and a third party.

FCC notification

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed andused in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

About distribution of source code for open source software

This product includes open source software (" OSS") distributed under OSS Licenses. In compliance with the OSS Licenses such as GPL (GNU GENERAL PUBLIC LICENSE), LGPL (GNU LESSERGENERAL PUBLIC LICENSE), and/or others included, we are making the source code of the OSS available, at the actual cost, to our customer upon his/her request. The source code corresponding to OSS included in this product will be provided in a prescribed manner for at least than three(3) years after the date of purchase. Please note that the OSS is provided without warranty of any kind.

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