Vedard

维德对外贸易（泉州）有限公司

Weide Foreign Trade (Quanzhou) Co.,Ltd.

Free technical support for shopping and installing security systems.

Manufacturer Info

SAFERHOME

HB solar beams Homepage

Other products

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Beam break alert 4G app monitor alarm notify

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Model: T001Q3+5050G
Shipping Weight: 5 kgs
985 Units in Stock
Manufactured by: HB solar beams

Ask a Question

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Starting at: $182.00

Please Choose:

with remote controller or not

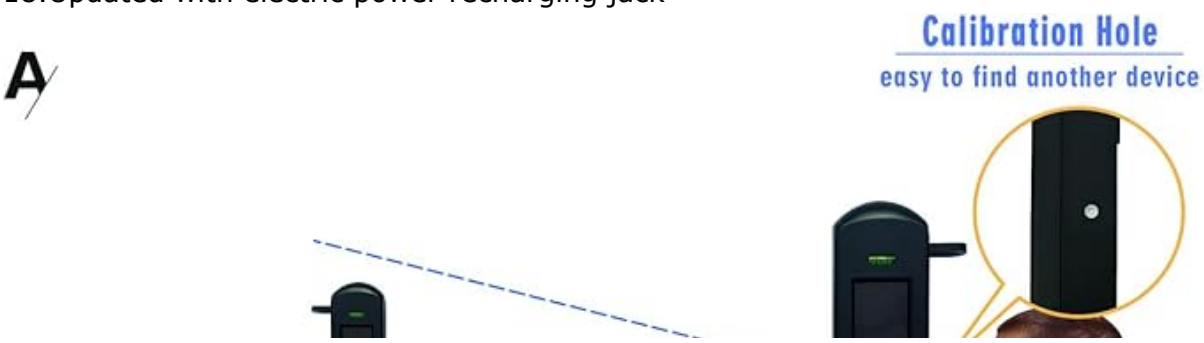
without remote controller

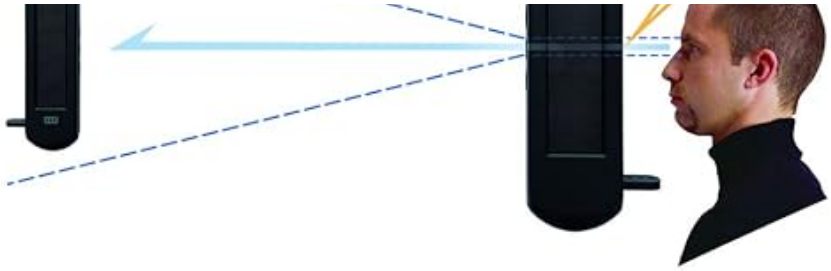
plug USA

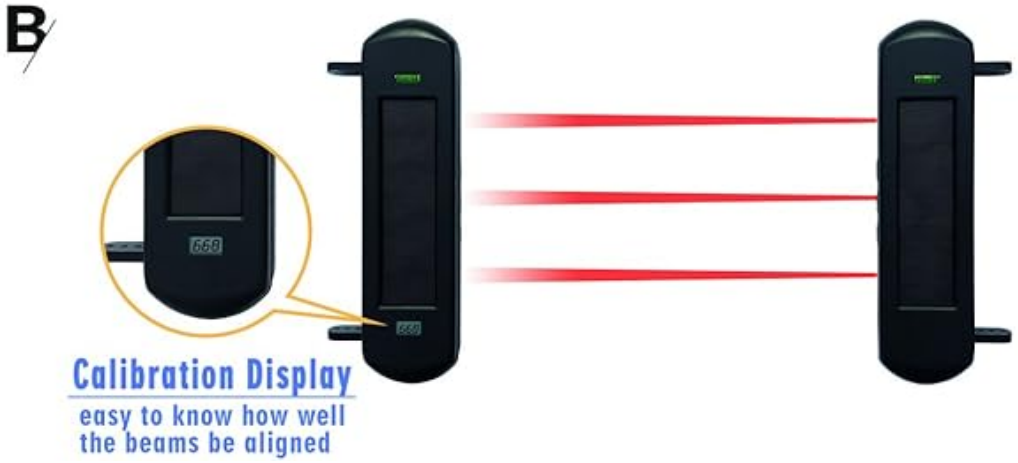
network TCP/IP RJ45 (-$22.00)

1 Add to Cart

Easy install the beam transmitter and receiver terminals on fence, courtyard, garden, driveway to create invisible light wall. When someone intrudes the light wall, the beam sensor will send alarm report to wireless receiver, the app monitor control panel.
So, intrusion will be notified on app on ios and android app notification.
App monitor alarm control panel has TCP/IP version (RJ45 interface), and 4G version.
TCP/IP or 4G network App pop up notification for alarm, fault, low battery of the beams. Easy configuration and setting of the security controller with up to 99 wireless sensors, infrared beam, door sensor, smoke detector same brand wireless communication.
Package includes:
1* pair 3-beams solar power photoelectric beam sensor, with fixing bracket, but no pole included.
1* set HB-5050R/G TCP/IP or 4G network app alarm notify wireless receiver
You may need to shop the pole from your local market.
Pole size is: diameter 3.7cm
You can buy more HB brand detectors including infrared beam, detector outdoor and indoor motion sensor, smoke detector, water leakage sensor
details:
100m infrared distance solar powered intrusion barrier used for school, workshops, perimeter fencing of residential quarters etc. New technology wireless beams detector anti same frequency interference hop-frequency technology. Wireless beams detector solar power supply. Updated with LCD calibrator and DC power supply for charging if long time no sunshine.
Functions and Specification:
1.It is a solar-powered wireless product and should be installed at place with sunlight intensity more than 2200lux.
2.It is triple beams wireless outdoor infrared detectors working by pairs of transmitter and receiver.
3.Irradiation distance:100m
4.Wireless transmitting distance:800-1000m at open area
5.Wireless frequency:433MHz
6.Maximum alarm times in 24 hours:<=50times
7.Infrared light beam number: 3 beams
8.Battery capacity: transmitting terminal: 500mAh, receiving terminal: 1000mAh
9.Working temperature: -30℃~70℃
10.Working voltage:3.3V
11.Power storage type: LiFePO4 Battery
12.Static working current: transmitting terminal<=0.5mA, receiving terminal<=0.5mA
13.Infrared light frequency: secondary modulation & encoding based on 38KHz
14.Infrared light wave-length: 940nm+/-20nm
15.Output current of solar panel: Under the condition of 1800Lux lighting >=2mA (Outdoor illumination in ordinary rainy or cloudy days is about 2000Lux)
16.Dimension:340*84*45mm
17.Distance between infrared light hole: 35mm
18.Updated with electric power recharging jack



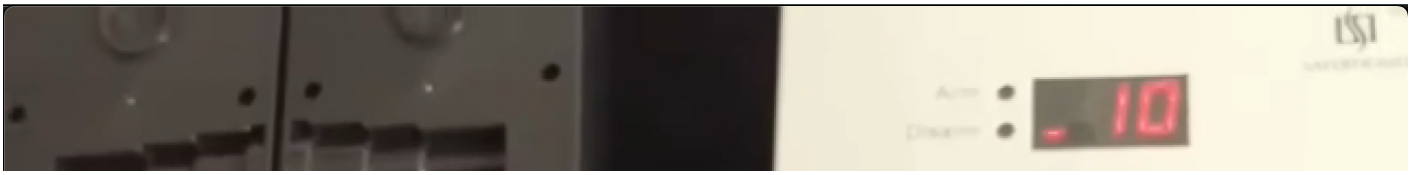




HB-5050R TCP/IP network with app monitor and app setting, controlling, operation for the control panel.
4G network with app control, monitor, setting, operation and SMS alarm text sending, voice alarm calling.
details:
HB-5050G (4G), HB-5050R metal case alarm panel is compatible with solar power perimeter security system.
1. HB-5050G (4G) is 4G sim card communication network alarm panel.
2. HB-5050R is TCP/IP network RJ45 interface alarm panel.
Functions:
1.99 zones for zone type: normal, emergency, fire, help, gas and water. Each zone can equip 1 detector, sensor or remote controller.
2.Total 4 groups phone number can be set.
3.SMS message write and read function.
4.Maximum 4 remote controllers can be used.
5. 2groups arm/disarm timing can be set.

Power interface: DC15V 1.5A (power adaptor)
Backup battery: 12V 1.3Ah lead-acid battery (not included)
Wireless frequency: 434.6MHz FSK
GSM frequency: 900/1800/1900/2100MHz
Dimension: 165*175*62mm

Phone configuration:
smart phone above android 4.0 operating system
>=2G RAM, >=2G storage memory



How to choose active infrared beams

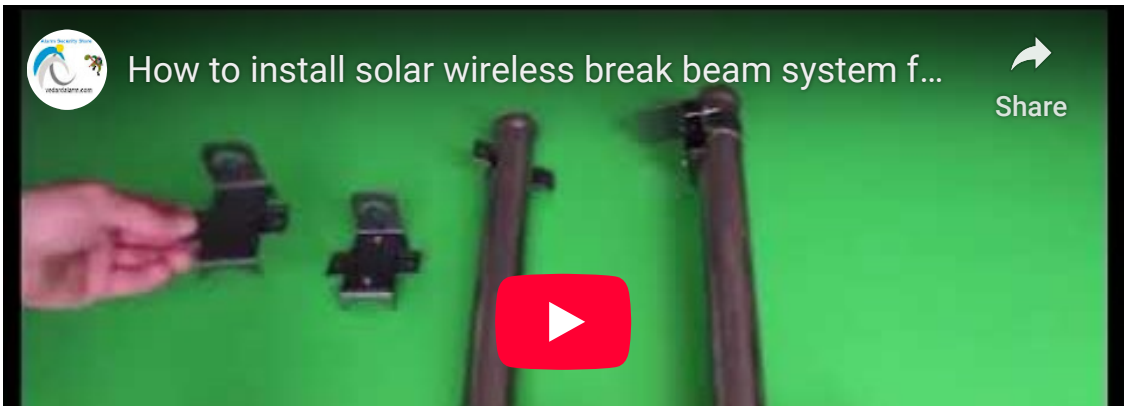
There are different beams quantity such as 2 beams, 3 beams, 4 beams, 6 beams and 8 beams of photoelectric beam sensor. So, how many beams should I choose? The more beams means higher of protection height and longer of detection distance. For example, if the distance between two infrared holes is 35mm, then, for 3 beams sensor, the protection height is 70mm. For 4 beams sensor, any two neighbor beams are blocked, it will trigger alarm. Same for 6 beams or 8 beams sensor. So more beams will be with more security such as for bank. More beams means more power of infrared beam transmission and with stronger penetration to against interference of fog, sunshine etc.

And what does the infrared detection distance mean? It means the distance between the transmission terminal and receiving terminal. The actual installation distance should be less than 80% of the specified distance. For example, the specified detection distance is 100m, then the actual installation detection distance should be less than 80m. If no interference, the detection can reach to 6 times of specified distance. (6*100=600m). But environment interference should be considered for using.

There are some rules for active infrared beam installation. For example, if the beam sensor is installed on a low wall, the distance between the top of the wall and the lowest infrared hole should be around 150mm. Because the size of a normal person is 500mm(width)*200mm(thickness), that will avoid intrusion of people from bottom side of the beam sensor and false alarm triggered by small animals.

HB solar power infrared beam system can be easy calibrated.

1. Make sure that the eye can see the other end through the mechanical calibration hole at one end.
2. Ensure that the LCD displayed figures are large and stable.



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3-beams Detector solar-powered LCD calibrator security service

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Safety Home Wireless Break Beam System anti theft

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