

SOLAR POWERED PHOTOELECTRIC BEAM DETECTOR

“ANTI-CRAWL” HIGH SECURITY PHOTOBEAM
MODEL: VG-3T100, VG-3T150, VG-3T200



Built-in Rechargeable
LiFePO4 Battery



Anti-Interference
Environment Adaptive



IP65 Weatherproof
Fully-Sealed



Withstand High
Temperature



Long Range
Wireless Transmission

PERIMETER MONITORING PROTECTION

Deterring Intruders Effectively, Keeping You Informed Through Instant Push Notification, SMS, Phone Call

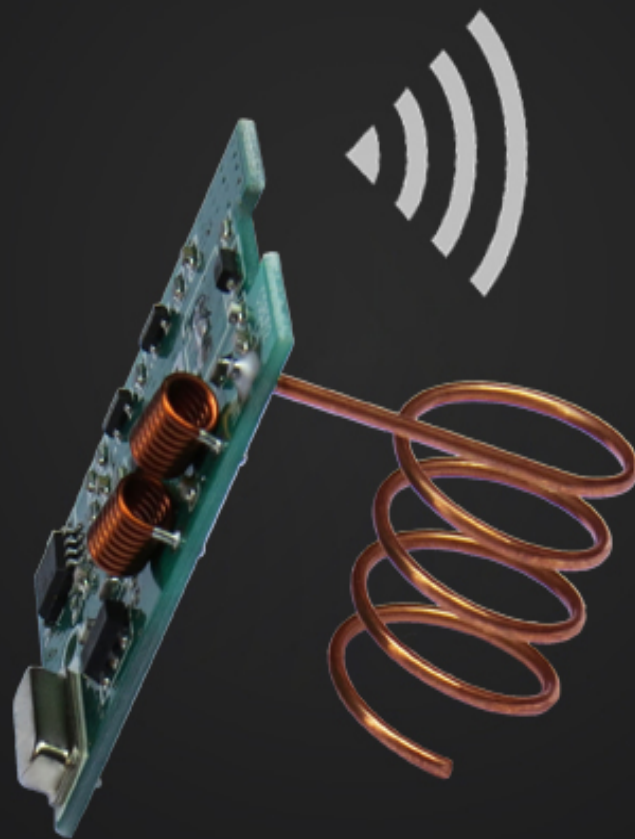


COMPLETELY WIRE-FREE

Powered by Solar Panel, Wireless Signal Transmission

Requiring No Trenching or Wiring, Reducing Installation Cost

Adopting new generation RF transmitter which provides up to 500M* wireless distance.



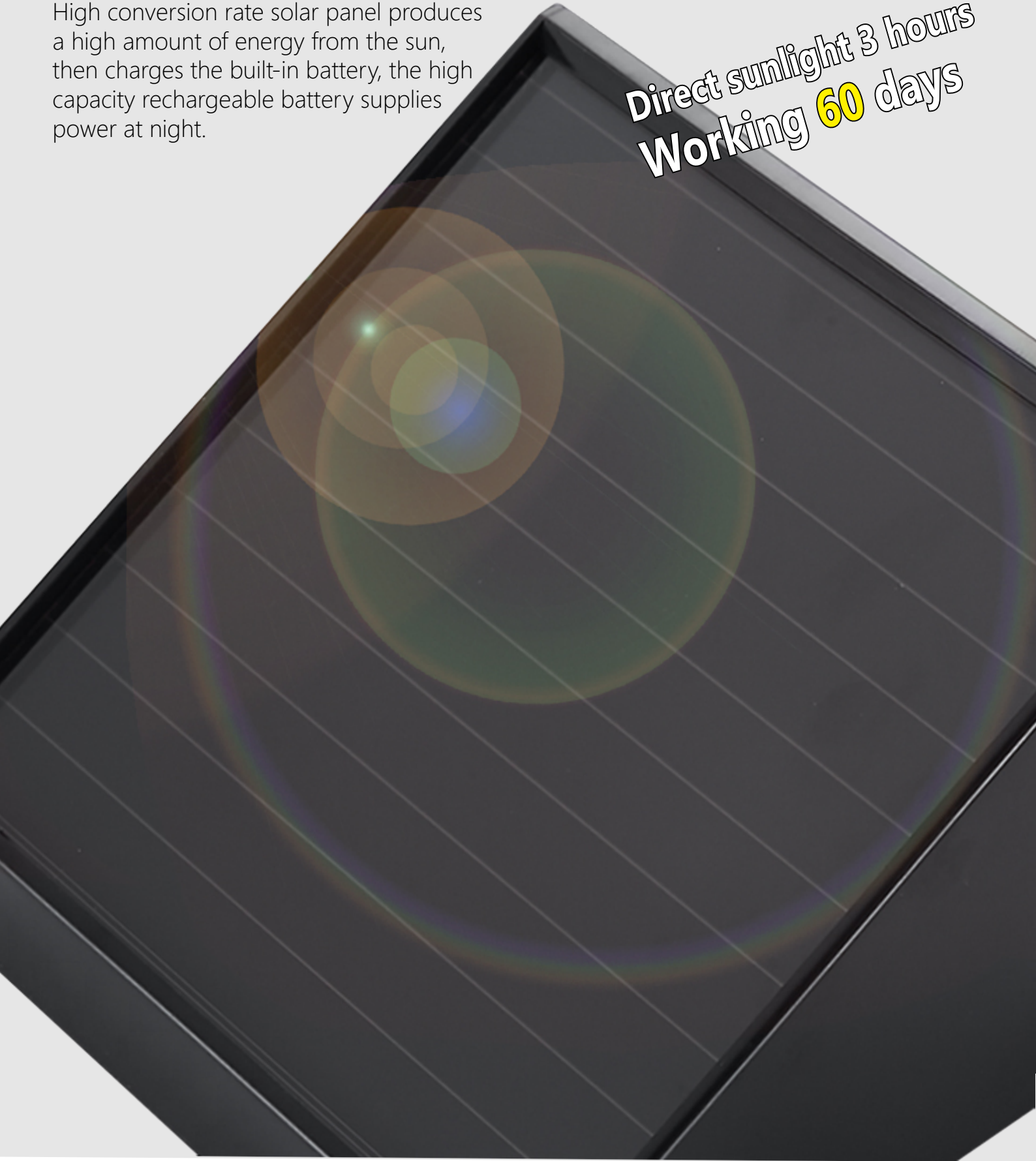
Note:

1. The product must work with alarm system/panels, "500M" is the wireless range between them.
2. Wireless range (500 meters) is under condition of open space environment, the actual data may vary from different environment.

RENEWABLE ENERGY, ENVIRONMENT FRIENDLY, MAINTENANCE-FREE, LONG-LIFE SPAN

High conversion rate solar panel produces a high amount of energy from the sun, then charges the built-in battery, the high capacity rechargeable battery supplies power at night.

Direct sunlight 3 hours
Working 60 days



FLEXIBLE STRUCTURE DESIGN

Offering Reliable Performance under Challenging Installation Environment



Optical component supports 180° horizontally, 20° vertically adjustable, the design enables product to obtain ideal angle under various installation conditions. Moreover, it has IR signal LED indicator to let you align product easily.

The solar panel supports pan rotation up to 160°. It can be turned 80° left or right to help receiving adequate sunlight.

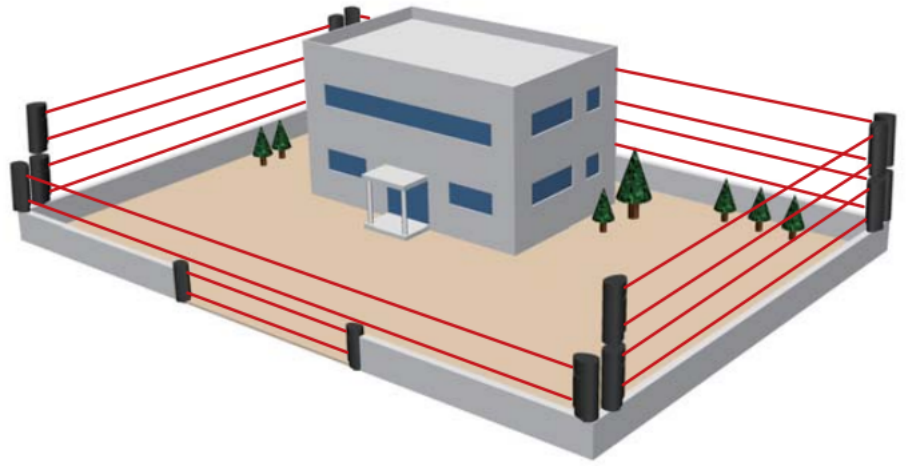
FULLY-SEALED DESIGN

IP65 Ingress Protection, Withstand Dust, Rain,
Wind, Snow, Frost, Dew

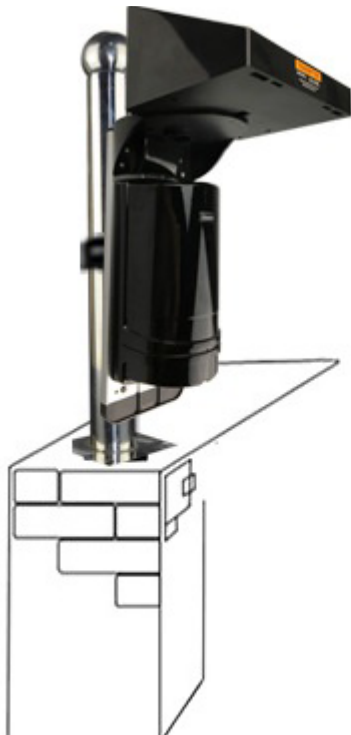


INSTALLATION EXAMPLE

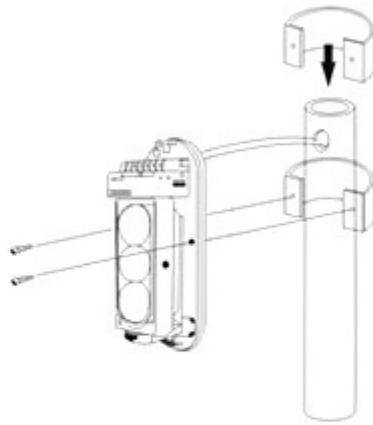
Photoelectric beam perimeter protection offers the most reliable and cost effective method of protecting critical infrastructure and valuable property.



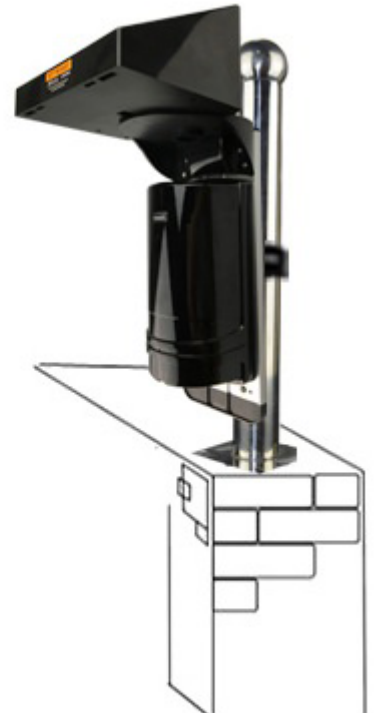
FLEXIBLE INSTALLATION



Wall

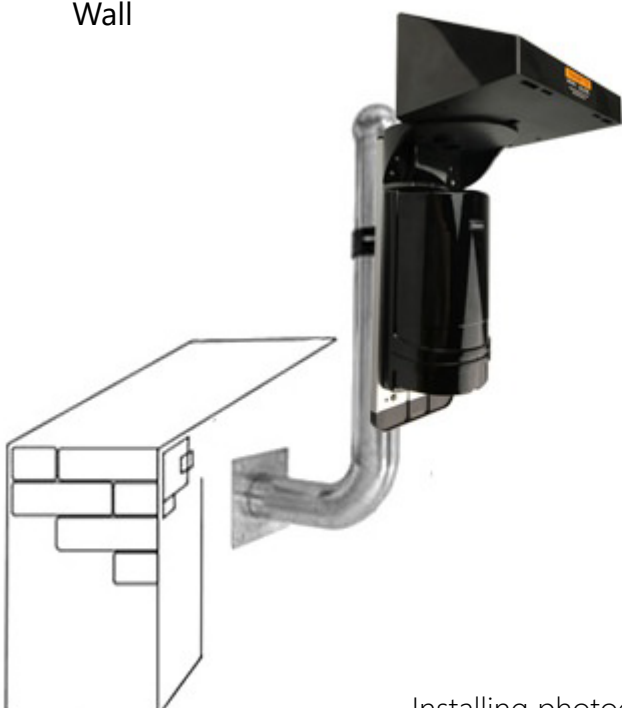


Fix detector on pole with provided bracket



Wall

Installing photoelectric beam on wall with optional accessories - "I" stainless steel pole



Wall



Wall

Installing photoelectric beam on wall with optional accessories - "L" stainless steel pole



Model	VG-3T100	VG-3T150	VG-3T200
Number of Beams	Triple (3)	Triple (3)	Triple (3)
Detection Range	100 meters	150 meters	200 meters
Infrared wavelength	940nm		
Light Sources	Digital Filter Type		
Sensor Speed	100ms		
Power supply	DC 3.2V (Lithium-iron Phosphate Battery)		
External Rechargeable Power	DC12V 500 - 1000mA		
Static current	Transmitter≤0.5mA, Receiver≤0.3mA		
Max. trigger times	≤50 in 24 hours		
Solar panel output	1800Lux≥0.2mA (note: outdoor cloudy day sun light = 2000Lux)		
Alarm Output	Relay Output Contact Rating: AC DC 30V 0.5A Max		
Wireless Frequency	433MHz AM		
Battery Capacity	Transmitter 500mAH; Receiver 1000mAH		
Using Temperature	-25 Celsius degree ~ 65 Celsius degree		
Dismantle Prevention Output	Relay Output Contact Rating: AC DC 30V 0.5A Max		
Adjusting Angle of Optical Axis (Horizontal)	180°(±90°)		
Adjusting Angle of Optical Axis (Vertical)	20°(±10°)		
Hairline Pointer	Window Type		
Connection	M3 Connection Assistenace, Spiral Terminal		
Dedew and Defrost method	Built-in heater (made to order)		
Other Function	Induction Testing Output Terminal		
Warranty	12 months factory warranty		
Material	PC engineering plastic/Resin		
Weight	2KG		

