

**PHONE & EMAIL ADVICE – SECURE ONLINE ORDERS OR CALL OUR OFFICE**  
**DISCREET OVERNIGHT EXPRESS POSTAGE AUSTRALIA WIDE**



## **4G SOLAR AI PTZ SECURITY CAMERA**

**Model Number 4G-SOL-AI-PTZ**

### **Short Description**

*4G PTZ Human Tracking Solar Security Camera Human with Artificial Intelligence (AI) & 80m Night Vision.* This amazing new **4G Solar Powered Security Camera** is simply the ideal solution for building & construction sites, mine sites, unattended machinery, councils, farms, car yards, warehouses, or any area with a need for CCTV Security. No onsite power or Internet, no worries we have you covered.

This amazing new and super high resolution *4G solar security camera* is significantly different to others in so many ways. Internet, WiFi, Power, or Professional Installation just isn't needed. At the proposed camera location, if your phone has reception and you can purchase a Prepaid SIM card, that's all you need. Very powerful 20x optical zoom, AI human tracking, LED and IR night vision, audio motion alerts, two way speaker and microphone, live remote access from anywhere, and motion push alerts. Best of all, NO installation or ongoing SERVER ACCESS FEES...EVER!!

### **Description**

Introducing our latest *4G Wireless Solar Super HD Security AI PTZ Camera with 20x Optical zoom & LED night vision plus two-way audio.* This motion activated Pan Tilt & Zoom CCTV camera is 100% Solar powered although it can be 12V powered (power supply included) if preferred or if power is available. Easily installed by anyone capable of drilling a few mounting bracket screw holes as cables are not required. A camera mounting pole is totally optional although a mounting bracket is included. Steel poles can be purchased locally Australia wide so it's not necessarily an issue however we can order or supply a pole as an option. Ideally the pole ought to be 90-100mm diameter and 3-4m in height generally dyna bolted, or ground cemented for stability.

### **Pricing**

Please note this camera system is available with or without the solar panel and batteries. The camera itself is 12V powered and realistically if you have power available then a solar panel isn't necessary. However, in terms of solar panels and the supplied lithium battery packs, there are several options from which to choose. The standard 60A Solar Camera kit or the heavy duty 120A kit.

In most coastal and central regions say Sydney north, sunshine year round is plentiful so a smaller 60A is normally adequate although south of Sydney, it's perhaps wise to consider the larger 120A twin solar panels system due to shorter winter days and less sun. Call our office to discuss as there are more options to take into account including discounted volume orders.

### **How does it Work?**

We basically supply everything you need other than a pre-paid SIM card. Ideally customers require a SIM where credit can be topped up online when needed. We suggest 12 months prepaid but do ensure the SIM supports calls and text etc not just broadband data. Basically, you want the SIM to have its own number, the same type of SIM as your phone. We recommend Telstra with the widest and strongest coverage, particularly in more remote regions although others Telcos are supported too.

If you already have a phone plan contract, ask whether it's possible to add another SIM to that plan with an alternate SIM phone number. The point is the camera uses SIM credit rather slowly and only when the authorised user/s are remotely logged into the App or playing back camera stored recordings. SIM costs are minimal as no data is used whilst recording or in standby mode. Remember it's only during remote access that your SIM uses some data.

### Tell me more

Everything about the *3/4G Solar Security Cam* is mobile phone App controlled and with permission, remote access to the camera may be shared with others at no cost. Once mounted there's no need to touch the camera again from that point. Receive push notifications or alerts when the camera senses motion. That's not to say every time the camera detects movement you receive an alert. *Scheduled Recording* is an important App setting feature not to be overlooked. Scheduled recording basically means the camera and motion alerts etc are only received between certain times and dates of your choice and at all other times the camera is in sleep mode.



In other words, when the site is busy with people coming and going all day, perhaps it's unnecessary to record. The camera may as well be in sleep mode during that time but still allows remote access for a site look around. With the ability to remotely pan 355 degrees and a very powerful zoom, see everything in close detail. Whilst live viewing, users may elect to record directly to their phone if desired. Rather impressive wouldn't you agree? Great as a surveillance tool but also ideal for simple site monitoring anytime and from anywhere with "heads up" motion alerts.

After hours (including all day Saturday, Sunday, and public holidays etc) the site may be closed for business so during those times, the camera is auto armed and ready to detect site motion. By night when the site is closed, say from 5pm to 6am, should the camera detect motion, not only will it record in **Super HD 5 Megapixel 2560 x 1920 resolution** with audio, but it will also trigger the camera LED or IRs to illuminate up to 80m which is quite powerful. This *3/4G Solar Security Camera* can be programmed to sound a 10-30 second audio warning or a dog barking if preferred. Use this feature or not it's your choice. As the person moves about on your site, the camera AI (Artificial Intelligence) kicks in. The lens will auto zoom onto that person and track or follow every movement he/she makes which of course is all being recorded.

When a motion push alert is received, users need to decide what to do? Ideally login to the camera to instantly see a live *real time surveillance view* with audio from anywhere in the world. Authorised users will also have the option to control camera functions manually.

By simply swiping left or right or up and down, you remotely tilt and rotate the camera in any direction you like and zoom. With any live view, record directly to your mobile phone as well or allow it to be recording to internal 128GB SD memory with remote recording playback. If you happen to see the intruder onsite, touch the *audio speaker tab* on the phone App and say whatever you like through the built in **camera speaker**. If not live viewing, the speaker can still announce a pre-recorded message or a dog bark, whatever method you choose. In fact, have a two way conversation and tell the intruder Police have been alerted and he/she is being recorded. It's all part of the package.

*This is the Solar Panel and mounting bracket all included.*



If on the other hand there had been an incident of some sort onsite, and you require the camera recorded evidence quickly, login from your phone App, remotely replay the intrusion event then save that recording to your phone memory. All recordings are time and date stamped for authenticity. Once the video/audio file has been downloaded to phone memory which is rather quick, email or send it directly to the police, security or whoever you like.

#### **How does our 4G Solar powered PTZ compare to standard CCTV cameras?**

Most modern CCTV cameras enable functions called constant or motion detection recording. CCTV cameras can record constantly to an NVR Hard drive because they are 12V powered and normally cabled to the recorder. That's fine provided those cameras are not likely to ever be moved.

CCTV cameras are also more costly as they require data cabling to the recorder and of course the recorder and cameras require power and Internet for remote access. It will also require a security specialist to install and maintain thus adding considerably more cost, not to mention cabling inconvenience. Furthermore, most CCTV cameras have a fixed wide angle lens meaning several cameras are required to place a relatively small area under surveillance.

If we take a building or construction site as just one example. Installing cabled CCTV cameras are generally out of the question. Construction may take a year or two to complete but what later becomes of the cameras and recorder? Disconnect and relocate to a new location.... unlikely.

Our 4G Solar Powered Pan Tilt and zoom camera is the ultimate solution which of course can be quickly and easily relocated to any other desired location. Other than mounting and switching the camera on again, that's all there is to it. Just a reminder, no professional installation costs, and no ongoing server fees. You own this security camera ought right, it's not a rental or contract camera so reinstall at any future location quickly and easily with no added costs. Place it wherever you like any time or pack it away until needed again. That's only fair right? Why would anyone want to pay exorbitant daily or weekly rental fees? What for, it doesn't make any sense?

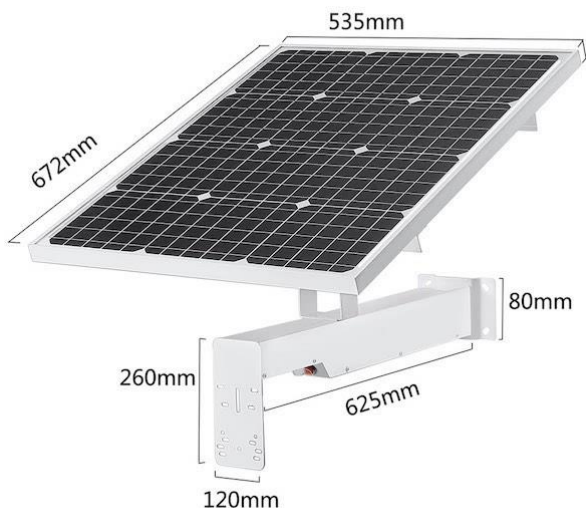
Our easy *DIY 3/4G Solar Security Camera* isn't just cost effective but there are **no ongoing monitoring or server access fees**. Other companies charge exorbitant fees to install a *4G or WiFi security nowhere near as good* but why pay huge monthly or annual contract fees often with penalties included, for something you will never own?

The PTZ Solar Security Camera is available by order in either White or charcoal casing colour.



#### How does our camera 4G Solar Security compare and what are the advantages?

Let's firstly compare camera resolution. How does 5 Megapixel or 2560 x 1920 compare to any other? Let's also consider what our 3/4G Solar PTZ security camera can do. If this 4G PTZ camera detects a person moving about when there shouldn't be any movement (perhaps after hours when the site is closed) this triggers the camera to record, track and alert.



When the camera detects motion, this triggers it to carry out a range of pre-set functions. For instance, with the camera lens set to wide angle, having detected a person moving about onsite, the camera AI will track and auto zoom onto that person and if pre-programmed, set off an audio warning. By night, the camera will auto illuminate either warm LED lights or Infra-Red so users have the option to select these warning options.

An LED light in most cases isn't just a massive *intruder deterrent* but also allows for the camera to record in colour rather than B/W IR. Should an intruder be spotted, the LED lights will aim at the person whilst tracking movement virtually a full 355 degrees in any direction. At the same time *4G SolarCam* is recording to the internal 128GB memory (with audio) in real time.

Similar 4G Solar Camera systems offered by others have motion detection too although there is difference between a PIR and AI motion sensing. A PIR motion sensor is tantamount to a home alarm motion sensor. That's great if the motion sensor is indoors because a PIR relies upon 'body heat' to trigger an alarm. A standard PIR sensor used outdoors is often "fooled" into recording as it can't tell the difference between real human motion and not real motion. Sudden changes in temperature, wind gusts, tree branches and leaves, insects, even car headlights etc. will often trigger the camera to record for no reason which is nothing more than a false alert. If you have a PIR security camera, you know exactly what I mean.

Our 4G Solar Cam with 20 x Optical zoom (not poor quality digital zoom) doesn't have a PIR motion sensor because the Artificial Intelligence (AI) is superior to PIR with far less if any false triggers. It can tell the difference between a moving object or car headlights, so it's not easily fooled at all meaning far less unnecessary recording and very few if any push alerts. It's looking for human movement which is really what we want. The IP66 rated alloy weatherproof PTZ camera housing (not plastic) can pan 355 degrees and tilt 90 degrees and therefore be mounted higher than others.

### **How long will the batteries typically last?**

This *4G PTZ Solar Security Camera* can function for 36 hours on batteries alone even without a solar panel. The rechargeable lithium batteries supplied are easily 12V recharged if needed and lithium batteries can function for 10 years or more before needing to be replaced. In the unlikely event you do need to recharge, we provide our customers with a 12V battery charger so the camera can indeed be permanently powered and/or solar lithium batteries recharged.

The camera solar panels are available in two size options, 40A single panel or the 80A twin panels both with supporting mount brackets. Even in poor weather, the solar panel/s will still trickle charge the lithium battery pack. To shed further light on this subject, the smaller 40A solar panel and battery pack can keep the camera functional for 32 hrs even without the panel. With the solar panel connected, it will continue battery charge throughout the day despite weather conditions. Once the sun shines brightly on the panel, the charge rate is much faster. The solar panel must face north and tilted to a 30 degree angle avoiding shade.

The heavier **duty 80A 4G Camera system** with dual panels delivers a faster charge rate and a larger battery capacity. The 80A model allows the camera to function normally for up to 64 hours without sunshine. A Canadian customer using an 80A solar panel unit reported no winter power outages.

If on the other hand one encounters weeks of continual bad weather (battery level is remotely monitored) then perhaps temporarily switch of non-essential IR or auto movement tracking functions to conserve battery power. Worst case scenario, recharge the battery pack. At the end of the day, the sun will eventually shine so to speak.

It's all covered including our toll free telephone backup and support and fast Australia wide delivery. You can't do that with others, but you can when you order from *Hidden Camera Surveillance Services* a trusted and registered Australian business since 1982.

### **How much data does a 4G security cameras use?**

When recording or connecting to the camera, the chosen resolution will dictate how much data is being used. At 720P resolution, generally between 260MB-700MB for 1 hour of recording playback although selecting a higher resolution will use more data and larger recording files but don't be concerned, it's really of no consequence these days. Playback would normally be relatively short anyway, so data usage is quite minimal. If on the other hand you prefer to view or save an entire memory card, the camera does support local P2P mode which will use no SIM data at all.

We provide a 128GB micro SD card with each camera. When the SD card is full it will recycle or auto overwrite from the earliest recording date. The SD card may also be removed from the camera and recordings replayed and saved to PC if desired. All recordings are time and date stamped for authenticity

## 5 Megapixel 4G Solar Cam Dimensions



### Specifications

- Chipset: Sony Starvis MX335 + Hisilicon HI3516E
- Zoom 20 x Optical (4.7 - 94mm)
- Compression H.265
- Multiuser authorised access
- Resolution: 5 Megapixel Super HD 2560 x 1920
- Motion Detection: AI (Artificial Intelligence) Human Zoom Tracking
- PTZ Angle View: Pan 355 Degrees, Tilt 90 degrees
- Viewing Angle: 61.4 – 3.6 degrees
- Rotate Speed: Horizontal: 55° per second , Vertical: 40°/s
- IR & LED illumination Distance: 80m
- Built-in audio Speaker
- Microphone: range up to 20m
- Lens: zoom
- Cloud Storage: N/A
- Local Storage: SD card (Max 128GB) with recycle function
- Solar Power: Optional 60W 20A, 30A or 40A and 120W 80A (Call)
- Working Temp: -30°C +60°C
- Audio: Yes, two way
- Microphone: Yes
- Power 12V DC (solar powered or 12V power supply)
- Housing: Alloy
- Rating: IP66
- Motion Detection: Yes
- Storage: NAS, NVR, Live stream to 3<sup>rd</sup> party using RTSP, (RJ45 port wired only)
- Connection: 3/4G or RJ45 wired
- Compatibility: App, DVR/NVR, NAS, RTSP
- PIR: N/A – AI Only
- 4G Frequency: B1(2100MHz), B3(1800MHz), B7(2600MHz), B8(900MHz), B20(800MHz), B38(2600MHz), B40(2300MHz), B41(2500MHz)
- Interface: Micro SIM plug and play 128GB included
- Weight: 1.4 Kgs
- Dimensions: Camera (not solar panel) 190mmx130mmx235mm(LxWxH)
- Casing colour by order: Charcoal or White



### Solar Panel Dimensions

Solar Panel – 60W 40A-

Solar Panel Dimensions: 670mm x 535mm x 25mm

Weight – 13kgs

Batteries: 2000mA per battery.

Hi Capacity Solar Panel – 120W 80A – 18Kgs (optional)

### Is the Solar Panel fixed or can it be removed?

The Solar Panel is separate from the camera and available in 60W 40A or the larger 120W 80A. The solar panel contains a bank of lithium 2000mA lithium rechargeable batteries ranging from 60 to 96 replaceable batteries per camera panel. The larger 8A system has 96 lithium batteries providing constant 12V power to the camera. Each panel is supplied with a mounting bracket to support both the panel and the camera. In fact, these solar panels support any 12V CCTV camera.



### Features and Benefits

Solar Powered – can also be 12V powered if needed.

No Monthly Server Access Fees

Easy Installation - No complicated setup or network configuration needed

Smartphone Viewing - Free iPhone/Android App or PC for live access anywhere

PC Supported

Password Protected - Video encrypted

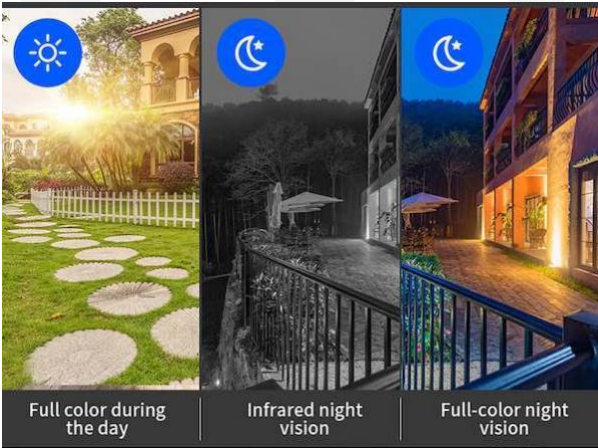
Image Flip

Expandable

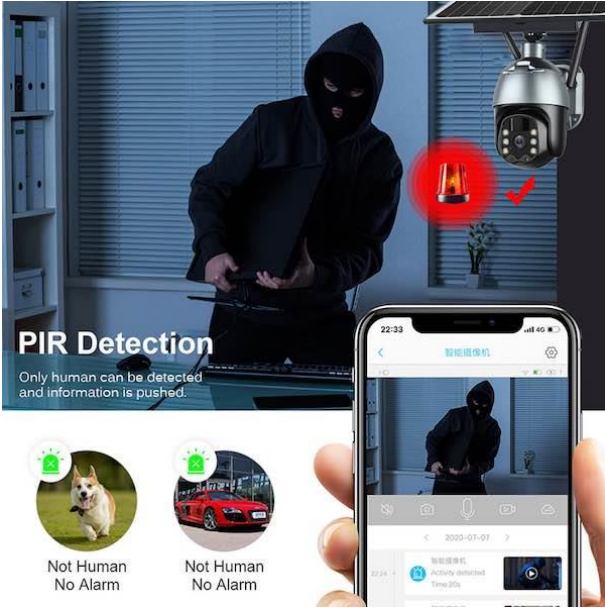
Two way audio

Record to your phone when live viewing only

- Remote SD card recording playback (128GB Class 10 card supplied)
- Video Time & Date stamp
- Take still pics on demand
- SD & HD Recording selectable
- Constant Recording is also supported
- Two way audio
- Warning speaker
- Multiusers remote access provided password access is granted







# HOS

Hidden Camera Surveillance