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DISCREET OVERNIGHT EXPRESS POSTAGE AUSTRALIA WIDE



WiFi SOLAR OUTDOOR HD SECURITY CAMERA

Model Number – WFSOLCAM1

Short Description

Outstanding new 2 megapixel 1920 x 1080P day with night *WiFi Solar Powered Security Camera*. No cabling or power needed. In fact this *WiFi CCTV solar security camera* can function for 30 days using just the internal lithium batteries alone. If the solar panel receives just a few hours of sunshine per day (even cloudy days) the batteries won't go flat.

This *solar powered wireless security camera* is ideal for homes, estates, sheds, farms, driveways, building & construction sites or under cover. Live remote viewing, motion detection recording and remote playback all from your free mobile phone App. If WiFi is available at the camera or a mobile phone **hotspot**, you have complete remote camera access from anywhere. Did we mention the amazing two way audio and night vision functions?

Description

- Solar powered long term rechargeable Lithium Batteries
- Will function for 30 days even without the solar panel
- Supports WiFi or phone WiFi hotspot
- Free Iphone or Android Mobile App
- Remote view by PC or mobile phone
- PIR Human Motion Detection
- Local SD card storage but also supports Cloud storage if preferred
- Supports up to 64GB Class 10 Micro SD card
- When a person is detected at night the LED lights will auto illuminate
- Easy DIY installation. No cables or power needed but supports power if available
- 100% Wire-Free solar charging battery powered camera
- Full colour by night or B/W IR (select either option from the App)
- Low Power Consumption
- 2.0 Megapixel, 1080P (1960 x 1080)
- Two-way Audio with noise-cancellation
- Smartphone APP motion push Notifications
- Infra-Red or selectable LED Illumination up to 10m range
- P2P one-click-online
- Built-in 18650 Lithium Polymer rechargeable Batteries
- IP67 Weatherproof



Features

Outdoor solar WiFi security camera
White casing with mounting bracket
Motion detection PIR recording activation
Main Chipset: Hi3516CV300 ARM926@800MHz
WIFI Module: Hi1131
WIFI 2.4GH IEEE 802.11 b/g/n
Sensor: IMX323 1/2.9" CMOS
Effective Pixels: 2MP
Resolution: 1920 x 1080P HD
Lens: 4mm, 2.8mm/6mm/8mm/12mm optional
Distance: About 1-15M
Viewing Angle: 70 degrees
Response Time: 0.6s
Battery Capacity: 4000mAh
Solar Panel Power: 2.2W
Maximum Charging Current: 400mA
LED Night Light: White Light also supports IR illumination (switch between either option)
White Light 2 x 1W LEDs
IR Led Power: 2W with 2 x IR illuminators
Storage: approx. 30 days with a 16GB SD card but supports up to 64GB
Detection Distance: 0-10m
Detection Angle: 120
Temperature: -10°C~60°C
Humidity: 0%-90%RH
Dimensions 210 x 95 x 100mm
Standby Power Consumption: 0.003W
Working Power Consumption: Daytime 1.4W Night 2.4W
Weatherproof: IP66
Product Size: 210mm x 95mm x100

Solar WiFi cam frontal view



How does it work?

This fantastic new *DIY Solar powered wireless security camera* is just the perfect outdoor DIY CCTV security camera solution. Colour by day and night, if motion is detected within 1-10m of the camera, two LED's will illuminate that person. This serves two purposes. First, it's an instant intrusion alert and second, it allows the camera to record in HD colour even at night.

If on the other hand you don't want the LED lights to illuminate, this *solar security camera* also supports infra-red in which case the camera will record in B/W mode by night but not illuminate the scene. The point is even in low light or dark conditions, the *solar powered wireless security camera* can see and record no matter what the lighting conditions. All you need is a WiFi signal or a mobile phone WiFi **Hot Spot**.

Can I listen in?

Built into this *WiFi solar camera system* is a mini weatherproof microphone. Depending on audio volume, audio and video will be recorded in sync so during video playback, listen to audio as well. However, if remotely logged into the camera, not only will you hear live audio, but you can have a *two way conversation* with the person near the camera from anywhere in the world and be recording at the same time. I mean can you believe it!! All this including HD recording real time video, with audio, two way conversations, LED Lighting, and Infra-red.

Recording Time & Date Stamp

There's no need to set time and date as such as the camera will take the time and date from your smart phone App. Very easy to set up and very easy to DIY. No professional installation required.

Recording Playback

There are two means of replaying SD card video recordings. If remotely accessing the *WiFi solar security cam* from your phone, the App displays a calendar. By simply touching on the calendar date, this will reveal all recorded motion detection events. Remotely playback any recording and if any motion event is of particular interest, save that recording to your phone memory for future reference.

The other option is to access the camera, switch the camera off, and remove the spring-loaded SD card. Using the supplied USB SD card reader, slot it into your PC or MAC. Your computer will show a new device found so open the file and with Windows Media Player or VLC, choose either player to playback your recordings. Again, any event needed as evidence, save it to PC.

Remote Viewing Options

It's fundamentally important to understand that to initially setup the camera, you must be in a WiFi location, and you must know the WiFi router password. This could be your WiFi or that of a trusted friend or colleague, but you must do that first.

Once the camera is App set, move it to your preferred location but leave the camera armed. Otherwise mount the camera then open your WiFi and App. If the camera is mounted outdoors, it must receive a decent WiFi signal if remote access is required. If on the other hand the camera location has poor or no WiFi signal, but you still need camera security, it will still record upon motion but in such cases, you won't have remote access to the camera. If you take it away from the router wireless zone, then the camera becomes a recorder only. In some cases, it might be necessary to extend the WiFi signal.

If on the other hand you can make a *WiFi HOT SPOT* available, this is another option as a Hot Spot is a form of WiFi easily set from any mobile phone. The WiFi solar camera can therefore be interfaced with the mobile phone Hot Spot, thus an ideal option for those without WiFi or with a need for short-term wireless camera security. A word of advice beware of imitations.

How long does a 16GB memory card last before it's full?

It's a question often asked but remember the camera is not constantly recording. Using our App and setting the camera to say 10-30 seconds recording duration upon motion, at that rate it can record 14,000 MD events before the SD card is full. Even when full it will auto recycle from the earliest recording date so no need to delete or format the SD card.

A 32GB SD Class 10 SD card, expect around 28,000 MD recordings events and with a 64GB card, clearly double that again so enormous recording power. The recording duration will also play a role in the number of recorded events.

Solar WiFi Outdoor Security Camera – Functions



Supplied Mounting Bracket



Can anyone see my cameras on PC or Phone?

No one other than you will have access the *solar cctv camera*. First, you must have the Phone App and the camera password so don't be concerned. Only you have access to the camera. Authorised users may on the other hand, share the App and remote access with others. There can be multiple people online at the same time but only if the access is shared and permitted by you.

Can I have more than 1 camera?

Yes have as many cameras as you like and access each camera one at a time.

What is the camera lens options?

The standard lens is 2.8mm wide angle whereas the other lenses are more telephoto. We don't stock all camera lens options so for anything other than a standard lens, please call our office to order. *WiFi Solar Security Camera* lens options include the standard 2.8mm wide angle or 4mm/6mm/8mm or 12mm lens. Other lens options by order only.

Can I be alerted if motion is detected?

Absolutely. The App supports motion detection Push Alerts so simply switch it on and in phone Notifications, ensure that alerts from your App are enabled.

Can I install this security camera myself?

Yes, and that's exactly what it's designed for, easy DIY installation. Please note you are purchasing from Australia so we can offer advice, backup, and support, which is very difficult if purchasing anything similar from overseas. Our solar security camera is battery powered and as mentioned can function for up to 1 month on battery alone. All you need is drill, screwdriver, and a ladder to mount the supplied camera bracket.

How many home security cameras do I need?

It all depends on the size of your home. As a rule, 1-4 cameras are needed. A *doorbell camera* to keep an eye on the front door and packages, perhaps 1-2 outdoor *security cameras* for the side and rear of the house and an indoor camera to watch valuables, kids, or pets.

Around 34% of burglars enter through the front door, so you need a security camera at the front door which is also a great deterrent. This is the most important security camera placement outside home. Place your camera at second-floor level if possible, to keep the camera out of arms reach.

Solar WiFi Outdoor Security Camera – Wall mounted



Is there any subscription fee?

Unlike others *Hidden Camera Surveillance* charges NO subscription fees for ANY of its *security camera systems*. Without naming brands there are many companies that DO in fact charge a monthly or annual camera subscription fee, so buyers beware, it's not necessary unless you need professional after hours monitoring. Many of our security camera systems (including this solar camera system) supports Cloud storage as well but it's cheap so anyone can purchase cheap server space if you want that service. In other words, it should not be mandatory to charge a server fee when there's no server cost to the camera supplier.

Do wireless security cameras work well?

Yes, many of *Hidden Camera Surveillance* security camera systems are wireless. Some are solar powered, others battery powered only and some 12V powered but regardless of whether the camera is solar charging or 240V powered, they do function very well. Our solar security camera can function for up to 30 days on just the internal rechargeable lithium Polymer batteries. Other WiFi Security Cameras from Hidden Camera Surveillance can function for 6-12 months on just the one battery charge and just few hundred dollars. See examples here [WiFi Security Cameras](#)

Battery and solar powered CCTV security cameras is a remarkable technical breakthrough. It basically means the security camera can be mounted anywhere. A visible CCTV camera is also a huge theft deterrent and that alone can't be underestimated.

In terms of how it works, a *Wireless Security Camera* is no different to a powered *CCTV IP Security camera*. WiFi networks are now very powerful and with proper Ubiquity antennas, a WiFi signal can be extended kilometres or encompass an entire suburb or city. With a strong WiFi signal, dropouts become rare although, even if there is network dropout, the camera will still record if motion is detected.

When the wireless network is reinstated, authorised users will have remote access once again. It's also important to understand that the SD memory card can be removed from the camera and slotted into any PC or MAC USB port. View the recording on PC and any recording that needs to be retained can be saved to PC HDD.

Another significant difference between this *Wireless Solar Security Camera* and other network cameras is the recorder. Our *wireless security cameras* are also a recorder thus an all in one *DIY security camera solution*. It doesn't need any 3rd party DVR or NVR as such. Generally, *IP CCTV Cameras* (wired or wireless) will need to interface or communicate with a HDD recorder of some sort. Our *WiFi security cameras* only require a micro SD memory card so this becomes the recording storage rather than a DVR or NVR hard drive.

Furthermore, our App isn't really limited to the number of cameras it can support whereas an NVR or DVR is limited. Many other wired or wireless *CCTV IP security cameras* are not wireless and if battery operated will chew through power quickly because CCTV cameras never sleep regardless of motion and there lies the difference. Our *wireless IP CCTV security cameras* are NOT being viewed continuously on a TV monitor. Your phone is the monitor.

Our *WiFi solar security cameras* auto enter a "sleep mode" when no motion is being detected to conserve battery power. Clearly the more users live viewing the solar camera and the more often recordings are remotely accessed or if motion is frequently detected, then yes it will draw more battery power. So, one does need to be realistic. If the camera is solar powered, then in most instances there's no need to be concerned as the solar panel will continually charge the batteries.

Worst case scenario if the battery becomes low powered or flat, the camera can be connected to power which will power the camera and charge the batteries. Otherwise, wait for the sun to recharge the lithium batteries and resume live access. Please note if the battery level does become critically low for whatever reason, you will receive a phone push alert anyway.

Under those circumstances then yes it might be wise to refrain from remote access for the time being and allow the batteries to recharge. You will see the battery charge condition on your phone anyway. Just ensure the solar panel is not shaded and is mounted facing northerly aspect at about 30 degrees.

So, what's to worry about? The point is don't be afraid of our *wireless security camera systems*. Just like the auto industry, battery power is here to stay and battery technology is only getting better.

Various WiFi solar security camera applications



Smart PIR Motion Sensor

PIR human body infrared detection, when someone lingers within the detection area, it will immediately send alarm information to the smart phone.



TF Card Storage



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