Solar-Cam NW ™   **Solar Powered 4G/WiFi PTZ Network Camera**   **May 2021**
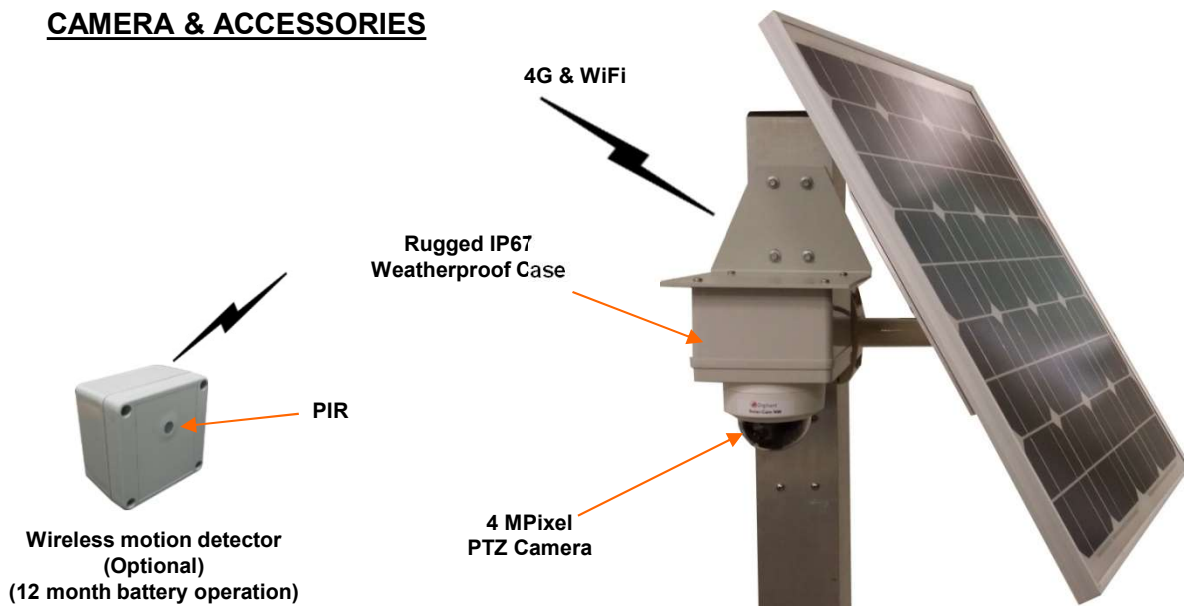
The Solar-Cam *PTZ4* is a rugged 4G/WiFi solar powered 4 MPixel PTZ Surveillance Camera for harsh environments in remote or unattended locations. The compact autonomous camera is solar powered making it completely independent of external power. The *solar-smart* charging system ensures that the battery has always enough charge and will control the camera, modem and solar charging to ensure the battery never goes flat. The images are sent via a 3G/4G modem to a PC, mobile phone, or web based monitoring 'Dashboard'. The camera has a rugged **IP67** housing and an optional wireless motion detector can activate the camera from up to 80m away. The camera can also operate in 'time-lapse' mode for applications such as Construction, Traffic and Water monitoring etc. The camera records HD video 24/7 for up to 3 weeks before overwriting. Live video can be viewed at any time as well as viewing and downloading video clips of interest. Still images can also be stored on an internal SD card as a backup. For sites with multiple cameras, only the host camera requires the 4G modem and the rest communicate to the host via WiFi

FEATURES

- **Fully integrated autonomous solar powered 3G/4G PTZ camera system with WiFi connectivity**

- **Complete 'wire free' solution for remote monitoring & surveillance.**

- **Camera records video 24/7 and maintains up to 3 weeks of video history which can be viewed remotely**

- **High Sensitivity colour 4 MPixel camera with wide dynamic range**

- **Images are sent immediately to mobile phone, PC, Monitoring Station, & web based Dashboard**

- **Full control and configuration of the camera via web interface**

- **Optional wireless motion detectors activates the camera from up to 80m away**

- **Up to 50m IR distance**

- **Optional White LED Floodlight – 30m range**

- **'Live View' video can be viewed on mobile phone, tablet, and PC**

- **25 X Optical Zoom**

- **Rugged weatherproof IP67 housing with 120W Solar Panel - all with adjustable mounts.**

- **Ideal for Traffic Cams, Residential and Commercial security, Flood, Construction & Livestock monitoring,**

CAMERA & ACCESSORIES

4G & WiFi

Rugged IP67 Weatherproof Case

PIR

4 MPixel PTZ Camera

Wireless motion detector (Optional) (12 month battery operation)

SOLAR-CAM SYSTEM

4G & WiFi

Solar Panel Connector

Construction

Waste Management

Orchard monitoring

Port Monitoring

SPECIFICATIONS

Camera

Maximum Resolution	2560 x 1440 (4 MPixel)
Min. Illumination	F1.6, AGC on: Colour: 0.005lux, B/W: 0.001 lux
Movement Range	Pan: 0 - 360˚, Tilt: From -5˚ to 90˚ , Zoom: 4.8 to 120 mm (25 X Optical)
Video Compression	H.265+, H.265, H.264+, H.264/MJPEG
Max Frame Rate	25 fps (2560 x1440), 50 fps (1920 x 1080)
Video Detection	Intrusion, Line crossing, Motion, Dynamic analysis, Auto tracking
IR Illuminator	Up to 50m
Protocols	TCP/IP,UDP,ICMP, HTTP, HTTPS, FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,NTP UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv4/IPv6, PPPoE
Storage	Internal SD card - 256GB

WiFi

Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency	2.4GHz
Bandwidth	20/40MHz
Protocols	802.11b: CCK,QPSK,BPSK, 802.11g/n: OFDM
Security	64/128 bit WEP, WPA/WPA2, WPA-PSK, WPS
Transfer rates	11b: 11Mbps, 11g: 54Mbps, 11an: up to 300 Mbps
Wireless Range	100m (328 ft) (Optional long range Antenna available for 250m)

General

Operating Temp.	-30˚C to 60˚C (-22˚F to 140˚F), Humidity 95% or less
Solar Panel	120W @ 18.1VDC
Ingress Protection	IP 67
Dimensions	30 x 19 x 16 cm (11.8 x 7.5 x 6.3 inches)
Weight	4Kg

Modem

Frequency Bands:	**LTE FDD:** B1 /B3 / B4 /B5 / B7 / B8 / B28 (700 MHz)
	WCDMA: B1 / B2 / B5 / B8
	EDGE/GPRS/GSM: B2 / B3 / B5 / B8

Declaration of Conformity

The RF transceiver module in this product conforms with **ETSI EN 300 440-1** and **FCC section 15.249**

WIRELESS TO WEB™ DASHBOARD

The 'Wireless To Web' (WTW) proprietary network is a fast, secure and reliable means of sending images from wireless cameras to the end user's PC, mobile phone, monitoring station, or Dashboard.

The WTW Dashboard enables images to be displayed from multiple cameras on a reference map. The user can move the icon to the exact location if the camera is moved.

Each camera is displayed as an icon and can be highlighted using the mouse and when selected, opens an image viewer to display historical images in rapid succession.
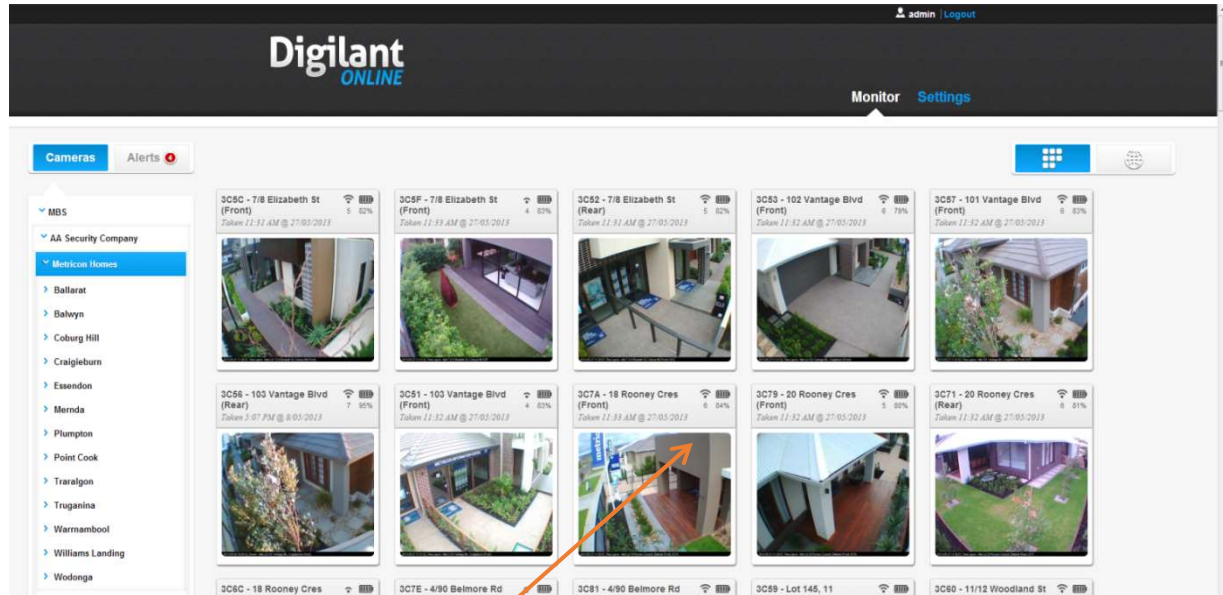
Latest Image

Many hundreds of cameras can be displayed on the one page