Moreton Bay Systems

CAMERAS

PRODUCT BRIEF

MBS-NW4MTCV

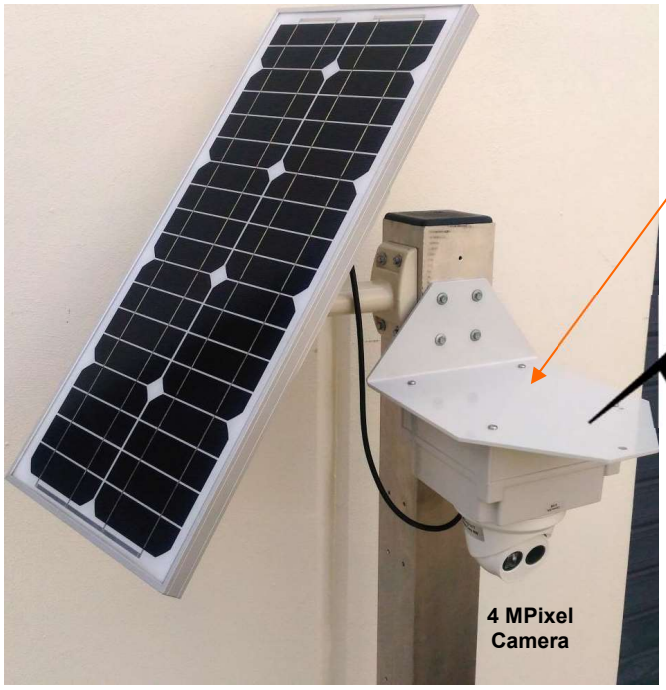
***Solar-Cam NW*™** **Solar Powered 4G/WiFi Network Camera** **July 2021**

The Solar-Cam *NW* is a rugged 4G/WiFi solar powered 4 MPixel 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 the advanced image sensor technology enables full colour in very low light conditions and a built-in white LED spotlight for colour night vision. The camera has video line crossing detection as well as an optional wireless motion detector. 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 1 month before overwriting. Live video can be viewed at any time as well as viewing and downloading video clips of interest. Still images are also 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

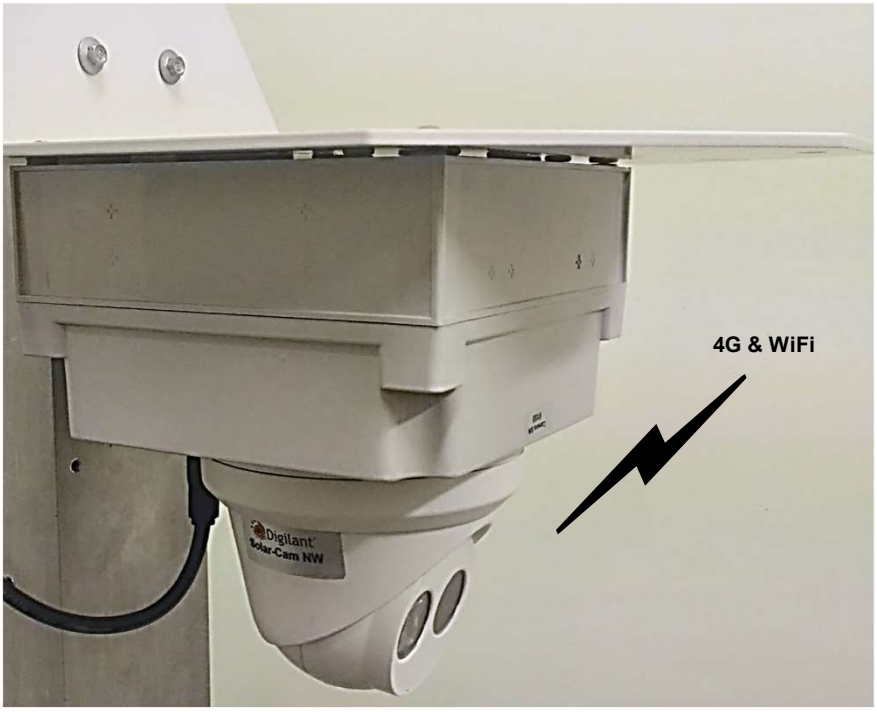
FEATURES

- **Fully integrated autonomous solar powered 3G/4G camera system with WiFi connectivity**
- **Complete 'wire free' solution for remote monitoring & surveillance.**
- **Camera records video 24/7 and stores up to 3 months of video history for viewing on Mobile an PC**
- **Ultra High Sensitivity colour 4 MPixel Turret camera with 24/7 full time colour (No IR required)**
- **Images are sent immediately to mobile phone, PC, Monitoring Station, & web based Dashboard**
- **Full control and configuration of the camera via web interface**
- **Inbuilt 30m white LED light for colour night vision in zero light conditions**
- **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



SOLAR-CAM SYSTEM



Construction

Waste Management

Orchard monitoring

Port Monitoring

SPECIFICATIONS

Camera

Maximum Resolution	2688x 1520 (4 MPixel)
Lens	Wide Angle (2.8mm)
Wide Dynamic Range	120dB
Pan & Tilt Rotation	Pan 0 - 355˚, Tilt 0 - 75˚, Rotation 0 - 355˚
Video Compression	H.264/MPEG/H.264+
Max Frame Rate	25 fps (2688x1520)
Video Detection	Intrusion, Line crossing, object removal, unattended baggage detection
Protocols	TCP/IP,UDP,ICMP, HTTP, HTTPS, FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,NTP UPnP,SMTP,SNMP,IGMP,802.1X,QoS,ipV6, Bonjour
Storage	Internal SD card - 128GB or 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, 11n: up to 150 Mbps
Wireless Range	100m (328ft)

General

Operating Temperature	-30˚C to 60˚C (-22˚F to 140˚F), Humidity 95% or less
White LED Range	30m (100 ft)
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	2.5 Kg (5.5 lbs)

Modem

Frequency Bands:	**LTE FDD:** Band1 (2100 MHz)/ Band3(1800 MHz)/ Band7(2600 MHz)/ Band8 (900 MHz)/ Band20 (800 MHz) **DC-HSPA+/HSPA+/HSPA/UMTS:** Band1 (2100 MHz)/ Band8 (900 MHz) **EDGE/GPRS/GSM:** 850 MHz/ 900 MHz/ 1800 MHz/ 1900 MHz

Declaration of Conformity

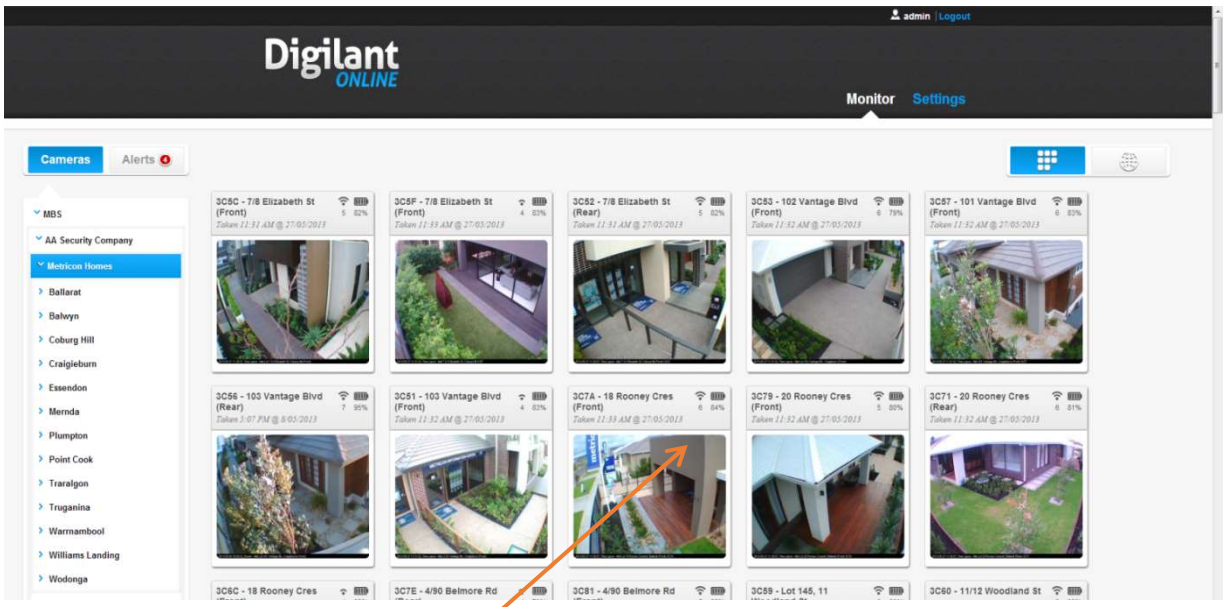
The RF transceiver module in this product conforms with **ETSI EN 300 440-1** and **FCC section 15.249**

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