

# SiteWatch Pro 2 XL

Solar/Wireless, Smart Security Camera

Data Sheet / SWPRO2XL

## INTELLIGENT REMOTE SITE MONITORING, FOR EXTREME CONDITIONS

The SiteWatch PRO2 Series is a second-generation solar/wireless intelligent, remote site monitoring solution, combining thermal, low-light and color cameras with video analytics, NVR, solar charge management and 4G LTE communications into one integrated system. The **SiteWatch PRO2 XL** series is designed with extended, integrated battery back-up and twice the solar capacity, providing up to 10 days of power and dual panels for faster recharging capabilities on locations with limited solar gain, challenging latitudes, adverse weather, or shading from nearby structures in urban settings.

## THERMAL + VIDEO ANALYTICS FOR ROBUST MOTION DETECTION

The SiteWatch PRO2's onboard video analytics for detection operates on the built-in thermal camera. This allows for 24/7 monitoring with real-time alerting, while requiring the minimal amount of cellular data. All video analytics are executed inside the camera, and only video relating to actual events are sent to the cloud for archival and viewing. The settings are easily configurable to ignore and mask specific areas like high traffic roads. The camera, combined with SiteCloud, provides real-time alarm routing via SMS, Email and/or popular Central Station systems via the SiteCloud API.

### SW PRO2 FEATURES & BENEFITS

- 100% solar, wireless - no internet/power needed onsite
- 24/7 reliable operation, with up to 10 days battery backup
- 1080p video streaming and recording (configurable)
- Low-light detection with sensitive 1.3MP B/W camera
- 128 GB Built-in edge recording minimizes cellular data usage
- Edge-analytics for detection and real-time alerting
- Long-range motion detection - cover large areas with fewer cameras
- Low-latency triggered image/video capture
- Schedule and automate LiveView capture of still images
- Built-in 4G LTE and WiFi - nationwide coverage with multiple carriers
- Compact, Light-weight, Portable, 1 person installation



*Our patented cameras and software are designed, engineered and manufactured in the USA.*



*The SiteWatch PRO2 series combines thermal, low-light and color cameras with video analytics, NVR, solar charge management and 4G LTE into one integrated system.*

1080p Video Streaming | 128 GB DVR | Thermal & Video Analytics  
wireless | portable | all-weather | fast playback | real-time | diy | solar | SWPRO2



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## Camera/Video

### Color / Day Camera

Image Sensor	CMOS
Resolution (still)	1920x1200 (1080p); On-Demand 16MP Triggered Day Images 2MP

Resolution (video)	1920x1080 (1080p)
Video Compression	H.264

### Thermal Detection Camera

Image Sensor	LWIR, 8-14 $\mu$ m
Image Resolution	160x120
Field of View	56°(h) x 71°(diagonal)
Thermal Sensitivity	<50mK

### Low-Light B/W Camera

Image Sensor	CMOS
Image Resolution	1.3MP (1280x960)
Minimum Illumination	0.01 lux
Video	H.264 Stream
Field of View	45° (H)
Video Compression	H.264

### Video Analytics

Camera Input	Color (Day), Thermal (Night)-configurable
Modes	Motion detection with masking
Motion Detection Range (Thermal)	200' X 56°
Masking	multiple rectangular ignore areas

### Edge Recording

Capacity	128GB
Recording	720p, 1080p, 640x480
Scheduler (via SiteCloud)	up to 5 separate schedule segments
Prefetch	automatic uploads of clips on motion events

### Illumination (Optional)

Illumination Type	IR
Power	25W
Illumination Angle	60°

## SiteCloud Service Related Features

Live Streaming Video  
 Captured image/video archival and viewing  
 Camera configuration triggering scheduled image capture  
 Edge Storage: Schedule, configure, retrieve  
 Event notifications, trigger events via SMS, email, API  
 Motion Detection: Video analytics configuration, masking, arming schedules

### Interface

Cellular	3G/4G/LTE - multiple carriers available
WiFi	802.11 b/g/n
GPS	Built-in GPS positioning

### Power

Solar Power Input	18-24VDC with Maximum Power Point Tracking (MPPT)
Solar Panel	Included, 35W 640x345x25mm
Auxiliary Power Input	18-24VDC
Battery	Integrated rechargeable Lithium Iron Phosphate (LiFePO <sub>4</sub> ), 5 days power
Power/Health Monitoring	Real-time and historical via SiteCloud

### Physical

Camera Dimensions	7.5"(W) X 6.0" (D) X 8.5" (H)
Camera Weight	7.5 lbs
Solar Panel Weight	7.3 lbs
Mounting Hardware	Pole/wall mount included

### Environmental

Operating Temperature	-20°C (-4°F) to +50°C (122°F)
Enclosure Material	Polycarbonate
Encapsulation	All-Weather IP65

### Ordering

SWPRO2V-102	SWPRO2 Solar Camera Kit Includes camera, integrated battery pack, 2X solar panel, mounting brackets. Requires SiteCloud Service for operation. Available carriers: T-Mobile, ATT, Verizon
Available Carriers	T-Mobile, ATT, Verizon (United States) Telus and Rogers (Canada)
Cloud Service	Multiple cellular plans available
Optional Accessories	Tripod kit, cable lock