

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 pannels 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.

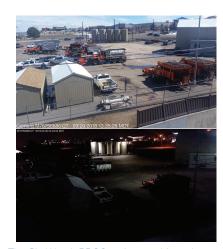
SW PRO2 FEATURES & BENEFITS

- 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.



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



















SiteWatch Pro 2

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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 µm 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 200' X 56°

(Thermal)

Masking multiple rectangular ignore areas

Edge Recording

Capacity 128GB

Recording 720p, 1080p, 640x480

Scheduler (via SiteCloud) up to 5 separate schedule segments automatic uploads of clips on motion

Prefetch 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 (LiFePO₄). 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

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Made in the USA