

New Solar / Wireless Monitoring Solutions Simpler, Cheaper, more Powerful

Modern Monitoring & Surveillance

For

San Diego Water Board

April 12, 2017

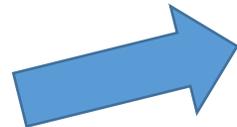
David Gaw - *Founder, CEO*



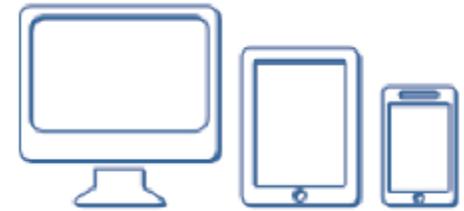
How it works: Solar + Cellular + Cloud = SIMPLE



- Solar/ battery powered
- Fully integrated
- Multi-function
- Low-cost



- Cellular or Wi-Fi
- Cloud-hosted
- Automated setup

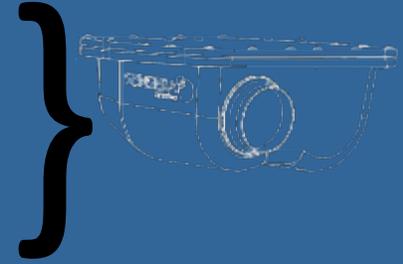


- WebApp browser interface
- PC, phone, tablet

Technology Advantage

Highly Integrated Electronics

LiFePO4 Battery Pack



- Patented technology lowers costs:

- Highly integrated electronics
- Custom molded enclosures
- Software-driven remote camera

Competitor's Solutions

- Consumer-type camera
- Camera controller
- Microcontroller
- Cellular router module
- Antenna
- High-power charge controller
- DVR (?)
- Security camera enclosure
- Separate battery box/pack

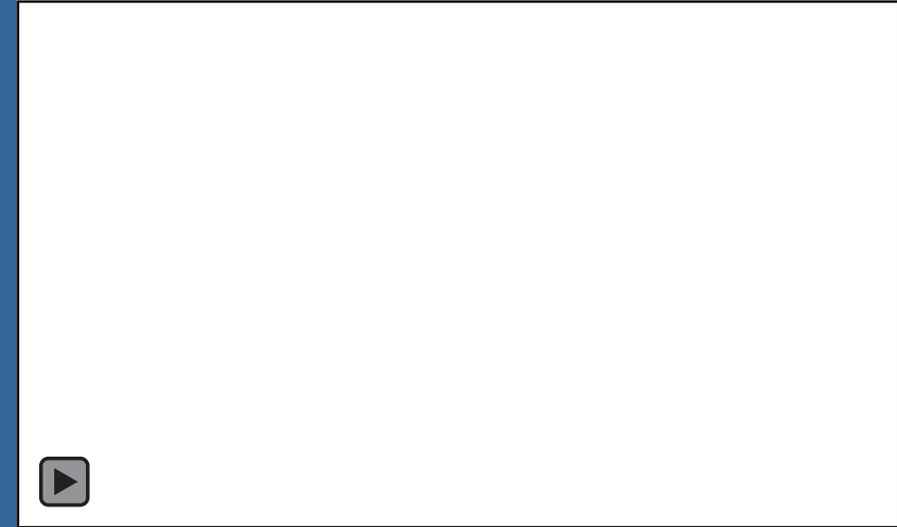


Solutions: Automated Timelapse

- Set image acquisition schedule
- Images snapped, uploaded to cloud
- Automatic daily timelapse movie

Applications

- Construction
- Environmental monitoring
- Surveillance (slower moving sites)



Product: MC26

Price: **\$1999**

Rental options



Solutions: Video Surveillance

- Live video streaming
- Edge recording (2-3 weeks)
- LiveView – rapid stills (1min), stored in Cloud for 1week



Applications

- Site Surveillance
- Environmental monitoring
- Project Monitoring / Documentation

Product: MC78
Price: \$3499

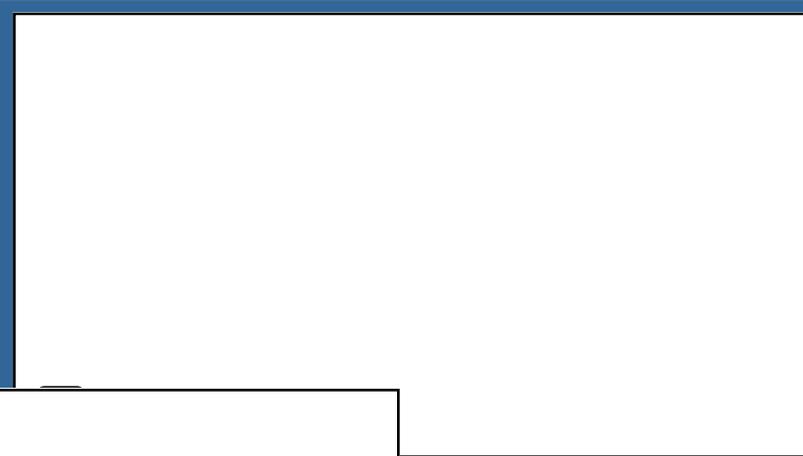
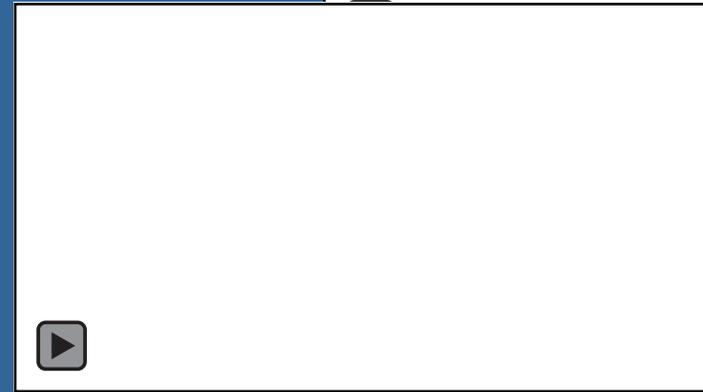


Solutions: Site Security

- Real-time detection
 - Thermal+Analytics, PIR
 - Alerts – SMS, Email, VMS, Central Station
- Live video streaming
- Edge recording (2-3 weeks)
- LiveView – rapid stills (1min), stored in Cloud for 1week

Applications

- Site Security & Surveillance
- Equipment/ depot yard access



Product: SiteWatch
Price: \$4000-5000



Solutions: Public Webcam



- Public web access for remote viewing
- Fully hosted
- Stills and/ or video streaming

Applications

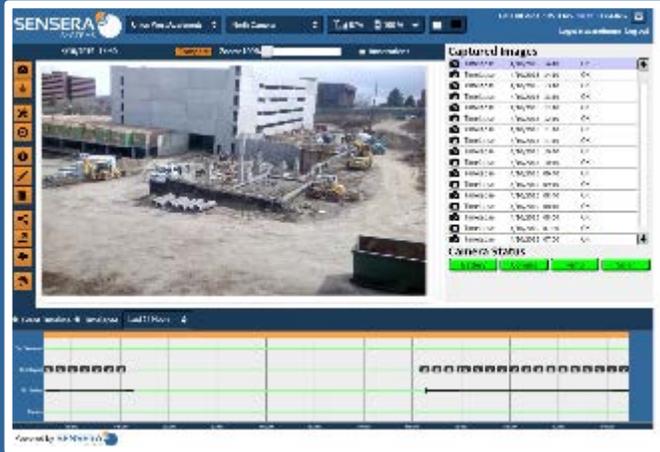
- Public Service monitoring
- Traffic management
- Environmental monitoring
- Construction Progress



Product: MC78
Price: **\$3499**



Sensera Site Cloud – end-to-end solution



- Cloud Service includes:
 - Cellular data fees
 - WebApp hosting, access
 - Data storage (unlimited)
 - Auto-timelapse, video streaming (unlimited)
 - Technical support
- Provided by Sensera – no dealing with carriers
- Month-to-month – no contract
- Stop/ start or change plans (no penalty!)



Proven across many applications



“The cameras offered a wide range of capabilities including time-lapse. The public URL feature made it very easy for us to share real-time progress with stakeholders.” -- Mark Thomas, Sr.
Infrastructure Technician



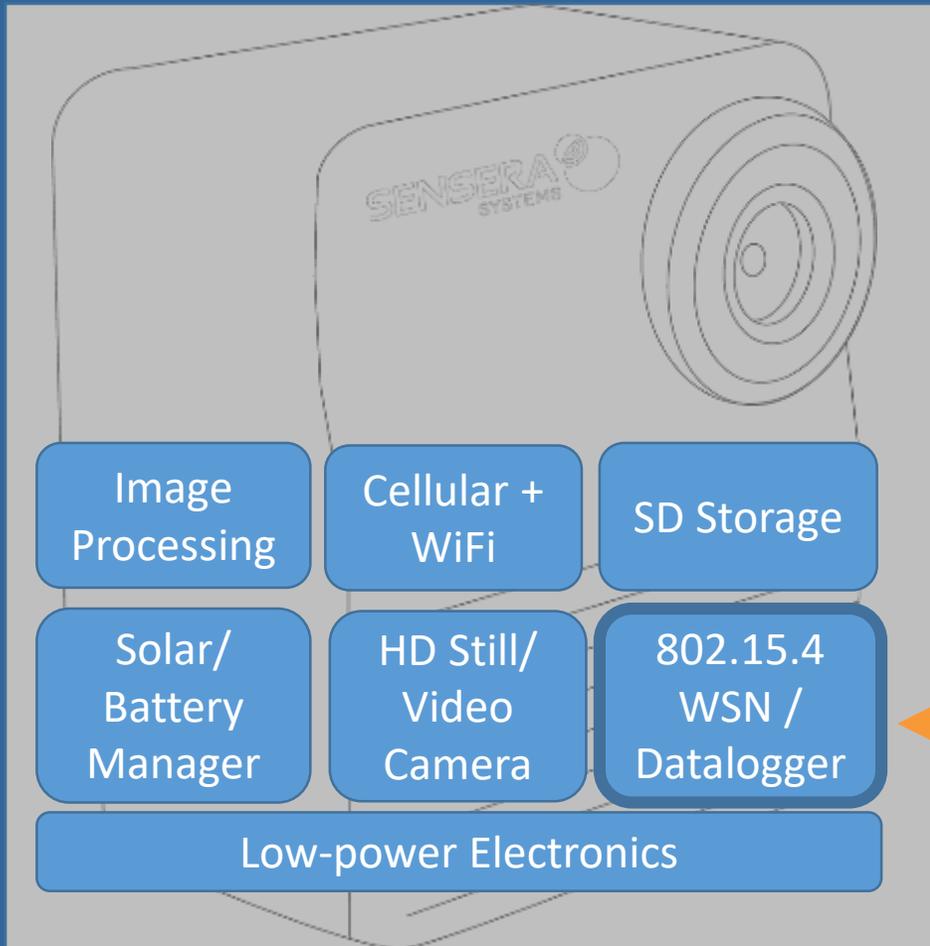
- Monitoring of electric utility substations, solar power plants

- ***“..The SiteWatch-PRO camera motion detection works very well for capturing all vessel traffic nearing the structure.”***

-- Stephen LeBlank, Project Inspector
Jefferson County Drainage District NO 6



Future Capabilities – Integrating Wireless Sensors



- Camera acts as
 - Data logger
 - PLC
 - Remote Control
 - Alarm monitor
- Provides visual verification
- End-to-end Cellular/ Cloud Solution

- Sensors for
- Water Level
 - Flow Rate
 - Temperature
 - Chem/ Bio
 - Etc....

Reduces Site Equipment/ Costs

For more information

For more information contact.

sales@senserasystems.com

800-657-0437

Or visit

www.SenseraSystems.com



About Sensera Systems

- Developed breakthrough, patented camera system & cloud service
- Began shipping to Construction market in 20 14, Site Security 20 15
- Won multiple awards for innovation
- Made in Golden, CO U.S.A. – Cameras in all 50 states + International
- Trusted by leading GCs and industrial customers large and small



Trusted by leading GCs:



Reliable operation 24/ 7/ 365

- Battery will power camera for up to 5 days with no sun
- LiFEPO4 Battery - >30 0 0 cycles (> 8 years before losing 20 %capacity)
- All-weather - rugged sealed enclosure (IP67)
- Managed service, high-reliability servers



No sun ?
no problem!

Pricing

Affordable for any project	MC-38	MC-68	SiteWatch-PRO
	MC-38	MC-68	SW-P0x
			
Camera Cost (purchase)	\$2,899	\$3,599	\$4,499-5,499
Cloud Service (typical) monthly – includes cellular data	\$119 – 159	\$189-219	\$119

Case Study: Jefferson County Drainage District No. 6



- Water utility in TX with very large area
- Using SiteWatch cameras to monitor watercraft near dams
- Using MC-68's to monitor flood choke points (reduce site travel)



Camera S71669507017 08/27/2016 11:14:05 CDT

"..The SiteWatch-PRO camera motion detection works very well for capturing all vessel traffic nearing the structure."

-- Stephen LeBlank, Project Inspector

Jefferson County Drainage District NO 6



Why Choose Sensera ?

- Patented, ultra-low power technology – **designed for solar**
- **50% lower cost** than alternatives
- **Full-featured** – streaming video, recording, HD timelapse, Real-time Alerts, LiveView®
- **Complete solution**, one clear price
- Industry awards
- **Trusted** by leading GCs and industrial companies
- Strong support: **Risk-free 30-day return**, free technical support



Proven with GC's Across the U.S. and Canada



Public Utility

“The cameras offered a wide range of capabilities including time-lapse. The public URL feature made it very easy for us to share real-time progress with stakeholders.” -- Mark Thomas, Sr. Infrastructure Technician

Chain Retail

“I wanted to have a site camera to cut down on our team’s travel, but also give customer the ability to access their project progress in real-time. .. We chose the Sensera cameras due to the simple user interface and great technical support. We really like how easy the system is to use. The camera is small, portable..so moving from project to project is very simple for us.” -- Bill Moseley, CEO MoseleyREA



Develop/Build of Freddy's Custard and Steakburgers first casual store

“.we have found the image quality to be exceptional. Overall, we think the highest resolution images from the MC-68 cameras provide more information at greater distances and under poorer lighting conditions than other cameras we have considered.” -- Leighton Price, President - Plymouth Growth & Development Corp



Complete Lineup



MC-38

MC-68

SiteWatch-PRO

MC-38

MC-68

SW-P0x



3G/4G Built-in - Cellular Carriers

ATT, VZW, TMO

ATT, VZW, TMO

ATT, VZW, TMO

WiFi



Camera Resolution

8 MP

8 MP

8/1.1 MP

Camera Field of View (FOV)

60°

60°

60°

Automated Time-lapse



Live on-demand still images



Video Streaming



Video/Still Recording (capacity)

64 GB

64 GB

LiveView© capability



Motion Detection / Alerting



Night Vision



Case Study: Denver Water / Mortenson Construction



Operation Complex Redevelopment - Overview



- 34.6 acre campus for Denver Water
- Denver's oldest and largest water utility

“The cameras offered a wide range of capabilities including time-lapse. The public URL feature made it very easy for us to share real-time progress with stakeholders.”

-- Mark Thomas, Sr. Infrastructure Technician



Case Study: Central Iowa Power Cooperative (CIPCO)



- Progressive Electric utility
- Monitoring construction of largest utility-scale solar power plant (5 sites)
- Monitoring construction of substations

“..The ability to remotely view the cameras and share with the public was very important...”

-- Terry Fett, Manager of Engineering, CIPCO



Case Study: Town of Plymouth MA



- Supports Police with cameras in public lots
- Help manage busy public parking lots

“..we have found the image quality to be exceptional. Overall, we think the highest resolution images from the MC-68 cameras provide more information at greater distances and under poorer lighting conditions than other cameras we have considered.”

-- Leighton Price, President - Plymouth Growth & Development Corp



Middle Street Camera #1



Middle Street Camera #2

Case Study: Retail - MoseleyREA

- Freddy's Custard and Steakburgers (NC)
- \$2,000,000 rapid development project

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-- Bill Moseley, CEO MoseleyREA



Develop/Build of Freddy's Custard and Steakburgers fast casual store

SiteWatch-PRO Series models



Feature	SW-P00	SW-P01	SW-P02
Solar Powered/battery/charger system	✓	✓	✓
3G/4G Built-in - Cellular Carriers	ATT, VZW, TMO	ATT, VZW, TMO	ATT, VZW, TMO
WiFi	✓	✓	✓
Day/Color Camera Resolution	8 MP	8 MP	8 MP
Night/IR Camera Resolution	1.1MP	8 MP	n/a
Illumination	IR	White	n/a
Motion Detection	> 100' (PIR)	> 100' (PIR)	> 100' (PIR)
Live on-demand still images	✓	✓	✓
Video Streaming	✓	✓	✓
Video/still Recording (capacity)	64 GB	64 GB	64 GB
LiveView© capability	✓	✓	✓
Notifications on Motion (with clip)	✓	✓	✓