



# Boundless Security Systems, Inc.

*the communications bandwidth experts*

- Covert cellular PTZ camera
- High definition
- Very low power
- Outdoor construction
- Environmental protection
- Highway construction
- Rapid deployment
- Pole-less
- Safety products
- WiFi asset tags

## The Construction Site Sentinel

**Rapid Deployment, High Definition, Cellular Covert PTZ Video Surveillance System with Integrated Timelapse and Asset Tracking in Traffic Channelizer Cone or on Utility Pole**

Overview

### Benefits

- Combat theft, vandalism, illegal dumping, liability, absenteeism, and workers' comp.
- Ideal for short projects, quickly move from job to job, pays for itself by avoiding need for a utility pole, lift, AC power, electrician and IT dept.
- Set up wireless, outdoor covert **high definition** digital video surveillance with live and recorded video, remote pan-tilt-zoom camera control, and opt timelapse and WiFi-tag based asset tracking, via cell network and the Internet, in minutes
- Complete cellular 1920x1080 HD PTZ system with long range zoom lens (license plate at 450 feet) in 42" traffic channelizer cone
- Ultra low bandwidth slashes cellular data costs
- Very low power, battery-powered, approx. 14 days' continuous video run time on batteries that fit inside a traffic channelizer cone, opt. solar power system for camera on a utility pole
- 2+ weeks' (typ. 4) continuous internal high definition (960x540 and 1920x1080) video recording before overwriting older video
- Anti-tip, anti-impact and anti-theft: earth screws through base, 3D accelerometer detects cone movement and sends alert, rugged **Cylindrical Smart uPTZ Camera**, runs during transport
- Opt. **Rapid Review / Integrated Timelapse** documents project progress and enables viewing an hour or day over the air in just 30 seconds
- Opt. **Stranger Detector™** locating system
- One-piece plus rubber base, replaceable cone
- Light-weight, only 23# plus rubber base
- Custom built and configured, just install batteries (batteries, charger, and cell service not included)



Custom built and configured in USA



Removable, weatherproof **Cylindrical Cellular Smart uPTZ Camera** mimics 3" PVC conduit and can be removed and used on utility pole or in other housing, use with solar power on a utility pole



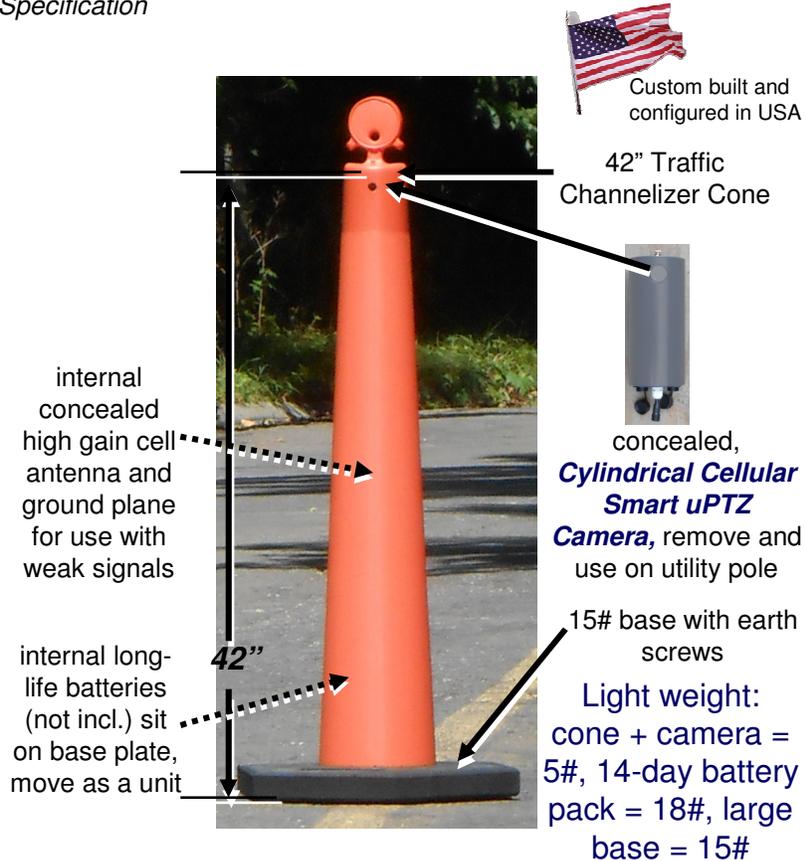
## The Construction Site Sentinel

### **Rapid Deployment, High Definition, Cellular Covert PTZ Video Surveillance System with Integrated Timelapse and Asset Tracking in Traffic Channelizer Cone or on Utility Pole**

*Technical Specification*

### Benefits

- Combat theft, vandalism, illegal dumping, liability, absenteeism, and workers' comp.
- Ideal for short projects, totally wireless, battery-powered, quickly move from job to job without time and cost of a utility pole and a lift
- Easily set up covert outdoor **high definition** digital video surveillance and WiFi-tagged asset tracking via Internet with live and recorded video, and remote pan-tilt-zoom (PTZ) camera control
- Complete cellular 1920x1080 HD PTZ system with long range zoom lens in 42" traffic cone
- Ultra low bandwidth slashes cellular data costs
- Records video internally, avoiding distant network video recorder and constant network traffic, **reducing cellular traffic by 250+ GB/month**
- Very low power, approx. 2 watts in *super power saver mode* for long run time on battery charge
- 5 MP, 1/4" CMOS color image sensor with back-side illumination and motorized IR-cut filter
- Unique concealed **Forward Pivot II™** micro-PTZ camera is unusually small yet provides remotely controlled motorized pan, digital +/- tilt at full resolution, and optical zoom, with tiny window
- 12-33 mm motorized optical zoom at 1920x1080, +/-22.5° motorized pan, with focal lengths for long range use (license plate at 450 feet)
- Dual-stream optimization: **monitoring stream** is 960x540 @ 5 fps is live and recorded, plus **evidentiary stream**: 1920x1080 @ 5 fps recorded
- 256GB *high reliability* storage for 2+ weeks' (typ. 4) 24/7 internal high definition video recording
- Opt. **Rapid Review / Integrated Timelapse** documents project progress and enables viewing an hour or day in just 30 seconds over the air
- Opt. **Stranger Detector™** locating system



**Place with other traffic channelizer cones, splash with muddy water, and make them look like they have a purpose**

- Receives messages from WiFi-asset tags to 100+ yards away and sends theft alerts
- Anti-tip, anti-impact and anti-theft: rubber base with earth screws, 3D accelerometer detects cone movement and sends alert, rugged **Smart uPTZ Camera**, runs during transport
- "Smart" battery monitoring with estimated run time remaining 
- Remote power management – run when needed
- Approx. 14 days continuous run time on five internal 12V 12AH LiFePO4 batteries (not incl.)
- Industrial grade cell modem (svc. not incl.)
- Custom built and configured, just install batteries



### Rapid Review™ / Integrated Timelapse

Documents project progress and enables reviewing an hour's or day's video in just 30 seconds over the air, built into Boundless' **Smart Cameras** (opt.)

BSSI-8 Low Power, 5 MP Covert Cellular Smart Micro-PTZ Camera with Stranger Detector(TM)

BSSI-8 Low Power, 5 MP Covert Cellular Smart Micro-PTZ Camera with Stranger Detector(TM)

BSSI-8 Low Power, 5 MP Covert Cellular Smart Micro-PTZ Camera with Stranger Detector(TM)

This **Smart Camera**™ was accessible when this page loaded. This page updates every 30 minutes or right-click it to update.

This **Smart Camera**™ was accessible when this page loaded. This page updates every 30 minutes or right-click it to update.

This **Smart Camera**™ was accessible when this page loaded. This page updates every 30 minutes or right-click it to update.

This page has a demo version of our optional, patent-pending, **Integrated Timelapse Software** that runs within our **Smart uPTZ Camera**™ and **reduces time reviewing recorded video 100x**. Contact us for more information.

This page has a demo version of our optional, patent-pending, **Integrated Timelapse Software** that runs within our **Smart uPTZ Camera**™ and **reduces time reviewing recorded video 100x**. Contact us for more information.

This page has a demo version of our optional, patent-pending, **Integrated Timelapse Software** that runs within our **Smart uPTZ Camera**™ and **reduces time reviewing recorded video 100x**. Contact us for more information.



Status: Playing delayed live video

Date: 5/27/16, 09:44:51

Data rate: low

View/Refresh live video Copy time to time selector

Year: 2016 Month: May Day: 27

H(24): 09 M: 44 S: 15

View recorded video Data rate: low Speed: 1x

Type: Normal

Download files Duration: 1 minute Data rate: low

Type: Normal

Status: Playing recorded video

Date: 5/27/16, 06:44:17

Data rate: low

View/Refresh live video Copy time to time selector

Year: 2016 Month: May Day: 27

H(24): 06 M: 44 S: 15

View recorded video Data rate: low Speed: 1x

Type: Normal

Download files Duration: 1 minute Data rate: low

Type: Normal

Status: Playing timelapse video, 1-hour files

Date: 5/27/16, 06:04:00

Data rate: low

View/Refresh live video Copy time to time selector

Year: 2016 Month: May Day: 27

H(24): 06 M: 44 S: 15

View recorded video Data rate: low Speed: 120x

Type: Timelapse File Duration: Hour

Download files Duration: 1 minute Data rate: low

Type: Normal

© 2015-2016 Boundless Security Systems, Inc. www.BoundlessSecurity.com tel. 203-445-0562

© 2015-2016 Boundless Security Systems, Inc. www.BoundlessSecurity.com tel. 203-445-0562

© 2015-2016 Boundless Security Systems, Inc. www.BoundlessSecurity.com tel. 203-445-0562

Initial view from camera main viewing page, showing **delayed live video**.

View from camera main viewing page showing **Normal recorded video** being viewed over the air.

View from page showing optional, **Timelapse recorded video**, being viewed over the air, speeding up the reviewing of an hour's recorded video **120X** for when you are looking for activity. Click over to **Normal recorded video** for more details once you know when something occurred. Then switch back.



## Stranger Detector™ Locating System

A more flexible and more efficient way to build wireless physical security systems, built into Boundless' *Smart Cameras*

### Two Primary Uses

- **Smartphone WiFi Monitoring System: Smart Camera** detects mobile devices via their WiFi probes, determines patterns of presence of persons whose identities may be unknown via WiFi probes, and integrates WiFi probes with video surveillance and Internet.
- **Physical Security System: Smart Camera** optionally receives, processes and responds to WiFi messages from third-party sensors, and integrates with video surveillance and Internet. **Smart Camera** would respond to WiFi messages from various types of sensors (not incl.). A simple, battery-powered, WiFi transmitter can be added to sensing devices lacking WiFi.

