



Boundless Security Systems, Inc.

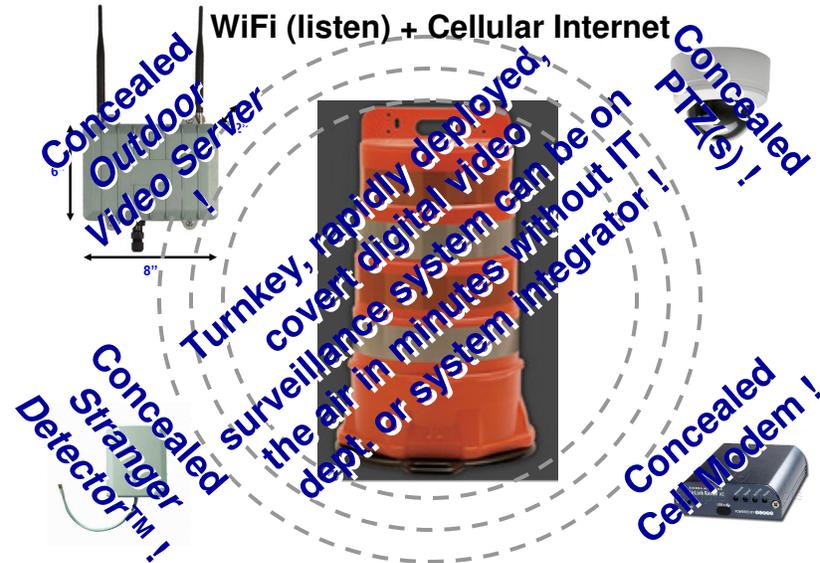
the communications bandwidth experts

Battery-powered
Utility pole camera alternative
Parking lots, guard gates,
drugs, graffiti, break ins,
insurance investigations
Traffic channelizer drum
Smartphone WiFi Monitoring

Rapid Deployment Covert Traffic Barrel™ with Stranger Detector™

Turnkey Covert Digital Video Surveillance System with Cellular Wireless in “Smart” Traffic Barrel

Example Model # Covert Traffic Barrel, 128 GB Solid State Disk, 10X PTZ Camera, VZW Cell Modem



Preconfigured covert outdoor digital video surveillance system contains **Outdoor Video Server**, a 10X mini-PTZ camera and much more in ubiquitous orange traffic barrel. **Cell service, batteries, charger not included.** (Photo varies.)

Specifications

- User supplies large rechargeable batteries, charger, cellular service, and limited assembly
- Days of run time on one battery charge or indefinitely with opt. AC power supply
- Boundless supplies key components:
 - Modified std. 20”D x 40”H orange traffic barrel
 - Concealed, std. def., color CCD, day / night, 10X PTZ camera (limited pan-tilt, opt. up to 4)
 - Internal **Outdoor Video Server™** with:
 - **Video Management System** and **Stranger Detector™** locating system
 - Rugged, 128 GB solid state disk (opt. larger)
 - Each camera: live (bandwidth-permitting) and internally recorded MPEG-4 video at 704x480 @ 15 fps, 352x240 @ 15 fps, and 176x120 @ 15 fps, *all simultaneously* (50:1 bw range)
 - Wide voltage range, DC/DC converter provides regulated power to internal equipment and battery-saving low-voltage shutdown
- Opt. industrial grade cellular modem and remote power management via text messages

Benefits

- Turnkey outdoor covert system in a traffic barrel
- Set up outdoor cellular covert digital video surveillance in minutes without any wires or poles
- Records video internally, avoiding distant network video recorder, and providing sharper and higher frame rate video than could be sent to it
- Preconfigured Cloud-based portal for easy use
- Mobile teams can view live and recorded video on smartphones, tablets and PCs via Internet
- **Stranger Detector™** locating system detects presence of mobile devices, and by extension, humans, within ½ mile via WiFi signals they broadcast, spots patterns humans can't see, sends alerts when particular mobile devices are detected, creates a data base of their presence, and presents live and recorded video in browsers
- **Rules-based Analysis System** classifies smartphone signatures (WiFi MAC addresses) into groups that are ignored or trigger sending alerts
- Complemented by Boundless' **Indoor Stranger Detector™** that helps couple ID's with devices
- Components are reusable in **Covert Faux-Rock**
- Opt. radar speed gun & license plate recognition

Description

Provides powerful, fully custom preconfigured, covert outdoor digital video surveillance system without systems integrator, installer or IT dept. Easily operated without a manual. Ultra low bandwidth, digital video surveillance system with **Stranger Detector™** locating system appears to be a traffic barrel and is accessible via Internet and cellular network. PTZ camera(s) and all equipment are concealed. Simply fasten internal components inside “smart” barrel, connect batteries, place the barrel over batteries, and go to a URL. It has a cellular network friendly¹ video communications and management system. It records multiple video streams internally, the best with better quality than can be sent live, and provides Internet access to live and recorded video² over congested networks.



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Please see this White Paper on **Smartphone WiFi Monitoring** integrated with outdoor video surveillance, aka **Stranger Detector™**: <http://tinyurl.com/cqycmxm>

Example Alert push e-mail from a system that has been given the host name, M-1 (note: *view* links are active in Alerts sent, but not in this document):

To: M-1.alerts@BoundlessSecurity.com

Subject: M-1 10:40:f3:56:a5:00 on Watch List detected

Smartphone on Watch List with WiFi Signature 10:40:f3:56:a5:00 Detected

Click any *view* link for live video. To view recorded video: (1) click the *view* link for the desired probe and wait for live video, (2) click **REC** and wait for recent recorded video, and then (3) click **SET_TS** to see recorded video starting 15 seconds before the probe was received.

The less negative the signal strength, the stronger the signal and the closer the smartphone or other WiFi-enabled mobile device was to the camera. Signals are received by high gain directional WiFi antenna in general direction viewed by camera(s).

Probe received at Sep 6 2012 08:19:55 with signal strength -85 dBm [view](#)

Probe received at Sep 6 2012 08:19:55 with signal strength -84 dBm [view](#)

Probe received at Sep 20 2012 16:39:08 with signal strength -87 dBm [view](#)

Probe received at Sep 20 2012 16:39:14 with signal strength -86 dBm [view](#)

Probe received at Sep 21 2012 17:01:44 with signal strength -87 dBm [view](#)

Probe received at Sep 27 2012 16:23:28 with signal strength -78 dBm [view](#)

Probe received at Sep 28 2012 14:10:44 with signal strength -84 dBm [view](#)

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Notes:

1. Able to use mobile-originated, GSM and 4G networks with appropriate modem, or wired network without IT setup.
2. Cellular networks are not intended for continuous viewing.