



Boundless Security Systems, Inc.

the communications bandwidth experts

Insurance investigations
Disability insurance fraud
Low power, battery-powered
Covert video surveillance
Cellular wireless
Smartphone WiFi Monitoring
Portable traffic road cone
Traffic, drug, theft monitoring

5 MP, Covert Traffic Cone™, Cellular Wireless Digital Video Surveillance System with Stranger Detector™ Locating System

- Turnkey, set up covert, indoor/outdoor, battery powered, ultra low bandwidth, cellular-network friendly, **high definition**, digital video surveillance in 60 seconds
- Full remote access via Internet to live and internally recorded video, camera control, and **Stranger Detector™** locating system
- Common 36" orange traffic cone with heavy duty base houses and conceals "smart" video server with large video storage, antennas and batteries
- Color pan/zoom camera module with motorized IR-cut filter concealed in faux-light on top of cone gives long range and remote control movement
- 5 mega-pixel (MP) 1/4" CMOS color image sensor
- Records video internally, avoiding distant network video recorder and constant network traffic, recording better video than could be sent to it, **reducing cellular traffic by 500+ GB/month**
- 2.7X optical zoom at 1920x1080 with focal lengths for telephoto use (license plate @100-150')
- Dual-stream Recording: **monitoring stream** is live and internally recorded at 960x540 @ 5 fps with high compression, PLUS sharper, **evidentiary stream**: 1920x1080 @ 5 fps is int. recorded (programmable, typ. values, up to 30 fps)
- Rapid access video file system greatly reduces time to view desired video segments
- Int. recorded monitoring stream enables remote viewing of recorded video at accelerated speed
- 256 GB internal solid state video storage
- **Stranger Detector™** locating system detects **patterns of presence** of persons whose identities are unknown, using WiFi signals broadcast by their mobile devices, within approx. 150 feet and sends alerts when particular mobile devices are detected (patent pending)
- Very low power typ. 3W to 4W with GSM cell svc
- Approx. one week (not guaranteed) continuous run time with 60 AH 12V LiFePO4 battery pack^{3,4}

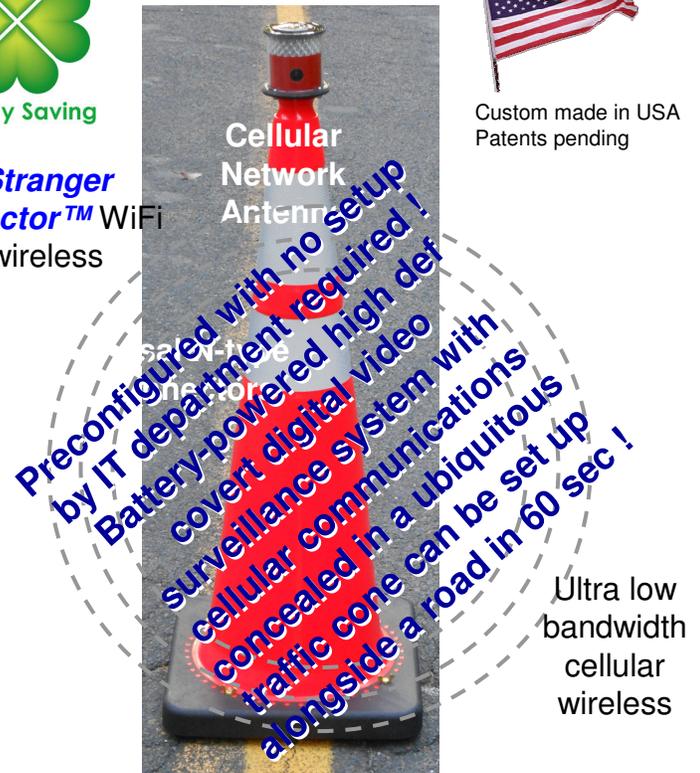


Energy Saving

Stranger
Detector™ WiFi
wireless



Custom made in USA
Patents pending



Ultra low bandwidth, low power, high definition, rapid deployment, covert cellular digital video surveillance system in 36" traffic cone. Pan/zoom (no tilt) color camera module concealed in faux-light. Photo varies. Cell service and batteries not included.

- 12 VDC nominal, wide range input (10.5 to 15V) with battery-saving, low voltage shut down
- Smart battery gauge with low power alerts and estimated run time remaining 
- Internal battery-free shutdown UPS bridges brief power failures and provides clean shutdowns
- Watchdog timer and remote power management
- Industrial 3 or 3.5G cell modem^{1,2} (svc. not incl.)
- Cloud-based **Portal** for flexible user interface and ability to tunnel through cellular firewalls



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Stranger Detector™ Sortable Table User Interface



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Boundless' BSSI-8 Stranger Detector™ Sortable Table

Level 1 Sort by: Frequency Ascending Descending
 Level 2 Sort by: Time Ascending Descending
 Level 3 Sort by: None Ascending Descending

Number of Previous Hours to Display: 0

Number of Future Hours to Display: 0

Hide MAC Addresses in Skip List:

Hide MAC Addresses in URL List:

Update Table Clear All Selections Save as CSV

Display Skip List View Video Show/Hide Alerts

Show Unique MAC Addresses Restore All Records

Local Search Find Presence Elsewhere Wide Area Search

Many sorting functions

Choose one or more hours (previous menu selects starting time)

Color-coded groups of MAC addresses help spot patterns of presence

Self-learning exclusion of recurring MAC addresses, or manual entry

Video and Alerts integration

Search within one location or across multiple

Select	Group Select	Found	Date/Time	Vendor	MAC Address	Signal
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:42:00.940	Sercomm	00:0e:8f:3a:90:e1	-91
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:47:44.065		be:86:7a:06:a1:cc	-85
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:49:13.454	Hewlett-	00:9c:02:cb:2a:86	-87
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:59:47.406		28:9afa:ea:cd:28	-83
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:40:39.516		16:de:32:e2:8e:ab	-75
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:42:54.510		16:de:32:e2:8e:ab	-73
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:39:12.975	Apple	20:c9:d0:74:d4:25	-87
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:41:15.682	Apple	20:c9:d0:74:d4:25	-83
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:58:07.989		48:d7:05:8e:8c:62	-87
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:58:19.695		48:d7:05:8e:8c:62	-89
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:50:28.436		a6:c0:04:19:3a:e9	-77
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:54:58.421		a6:c0:04:19:3a:e9	-79
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:05:26.460	Apple	c8:bc:c8:bc:53:6b	-37
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:05:33.970	Apple	c8:bc:c8:bc:53:6b	-37
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:33:13.935		c2:4e:b2:b2:eb:34	-75
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:35:28.926		c2:4e:b2:b2:eb:34	-75
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:24:42.283		ea:a4:80:db:d6:cc	-77
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:26:57.276		ea:a4:80:db:d6:cc	-77
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jan 23 2015 07:17:40.696		fe:98:23:df:07:ed	-85

<http://boundless221.dyndns.org:9080/BSSI-8>



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Please see our 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 in all directions, not just where the camera views.

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 / HSPA and CDMA cellular data networks with appropriate modem. Tunnels through mobile-originated cellular networks to Boundless' Cloud-based Portal, from which users access the system.
2. Cellular networks are not intended for continuous viewing. Live and recorded video should be viewed only as needed.
3. Power dissipation and run time on a given battery charge depend on many factors. Approx. figures are shown and may vary widely. Run time is not guaranteed.
4. Use of GSM cellular networks requires less power than CDMA networks, resulting in longer run time with GSM.