Boundless Security Systems, Inc.
the communications bandwidth experts

Covert cellular camera
Location tracking
Lobby, Interview Rooms
ATM, time-clocks, cash registers
Retail, Office Thefts
Break-ins, Construction

5MP Indoor Covert Smart Camera with Stranger Detector™
EASY TO USE, FULLY CUSTOM PRE-CONFIGURED, INDOOR HIGH DEF VIDEO SURVEILLANCE SYSTEM WITH 256 GB
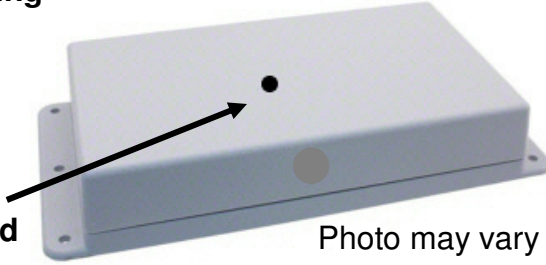
Patent Pending

Made in USA

5 MP concealed color camera

Photo may vary

Turnkey, small almond plastic box blends into office environments. Only connection is ethernet jack with Passive PoE. 5 MP fixed focus color camera, continuous digital video recording with 256 GB solid state storage, and *Stranger Detector™* locating and alerting system are internal.

Specifications

- Concealed fixed focus color camera with 5 mega-pixel (MP) ¼" CMOS image sensor
- ***Dual-stream recording*** accelerates remote viewing 5X while maintaining details: ***monitoring stream*** can be viewed live and is continuously internally recorded at 960x540 @ 5 fps with high compression, and far sharper, ***investigations stream*** is int. recorded at 1920x1080 @ 5 fps
- *Stranger Detector™* locating system passively receives WiFi probes from mobile devices within approx. 75 feet (varies due to building construction), and enters WiFi probes into its database
- Internal video server with wireless-network friendly video communications system with bandwidth-saving, video on demand, not band-width-wasting, video streaming
- Operates behind firewalls without setup, tunneling through networks to our Cloud-based Portal
- 256 GB internal solid state storage
- 12 to 15 VDC @ 3W with low voltage shutdown using Passive PoE, suitable for external battery, incl. wall-wart AC power supply and PoE injector
- Internal DC-UPS bridges brief power failures and provides clean, switchless shutdowns
- Opt. internal cellular modem
- Almond plastic approx. 6.8"L x 4.8"W x 2.6"H

Features

- Ease of use, turnkey, fully custom pre-configured, no IT setup required, tunnels through your network to Boundless' Cloud-based Portal
- Just fasten to an indoor wall or ceiling, connect to your network and instantly have high definition, digital video surveillance via the Internet
- Small, very low power, covert "smart" camera
- Easy remote access to live and recorded video and *Stranger Detector™* data in a browser via Boundless' Cloud-based portal and Internet
- Records video internally, avoiding distant network video recorder and constant network traffic, recording better video than could be sent to it
- View recorded video at high speed via Internet
- *Stranger Detector™* locating system detects presence of mobile devices, and by extension, humans, within 75 feet 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* processes internal database of smartphone signatures (WiFi MAC addresses) and spots patterns of presence of persons whose identities are unknown

Description

The *Indoor Covert Smart Camera* provides not only an Internet accessible, digital video surveillance system with long internal recording, but also exploits the popularity of smartphones to provide a locating system that detects the presence of persons whose identities are unknown. It determines the presence of mobile devices using WiFi signals they broadcast. These signatures can be read electronically at long range to detect and identify mobile devices, and by extension individuals, automatically, even when persons are out of sight. It records mobile devices' WiFi probes. Its video helps match WiFi signatures with individuals. It watches for the presence of user-programmed or automatically selected WiFi signatures, and sends video alerts.

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

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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Mobile Devices
Location Tracking
Lobby, Interview Rooms
Virtual Fences
Time-clock check-ins
Banks, Retail, Office Thefts
Break-ins

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Stranger Detector™ *Sortable Table* User Interface

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

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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]

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