



# Boundless Security Systems, Inc.

*the communications bandwidth experts*

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## **ULTRA LOW BANDWIDTH, OUTDOOR 5 MP COVERT CELLULAR SMART uPTZ CAMERA REDUCES CELLULAR USAGE BY A STAGGERING 500 GB PER MONTH**

Small, low power, high definition, economical, cellular network friendly, covert, outdoor, IP-based, digital video surveillance system trounces conventional outdoor cellular covert cameras

Aug. 15, 2014, Newtown, CT. Boundless Security Systems, Inc., BoundlessSecurity.com, announces its new, *Ultra Low Bandwidth, Outdoor, 5 Mega-Pixel, Covert Cellular Smart Micro-PTZ Camera*. The *Smart uPTZ Camera*<sup>™</sup>, for short, is small, economical and designed to mimic outdoor telecommunications equipment. It provides dual-H.264-stream, high definition, live and recorded video, 256 GB of internal storage, and Boundless' patent-pending, *Stranger Detector*<sup>™</sup> locating system. Its low power is compatible with an external battery and solar. It can be used on utility poles and tripods (SWAT), and in covert traffic barrels and faux-rocks.

“I designed the *Smart uPTZ Camera*<sup>™</sup> to provide high definition video at low power and low cost, while slashing cellular bandwidth requirements. Its dual H.264 video streams are optimized for monitoring (960x540 live and recorded, at a low data rate) and investigations (sharper and higher resolution, 1920x1080, recorded at a much higher data rate). The recorded monitoring stream can be viewed over the air at much faster than normal speed. Its *Stranger Detector*<sup>™</sup> locating system detects *patterns of presence* of persons whose identities are unknown, helping detect the presence of suspects,” says Steve Morton, Boundless' CEO and CTO. “It's only 1/10 the size, uses a fraction of the power, and has 6X resolution and large internal recording that captures better video than can be sent live, yet is less expensive than others' high bandwidth, standard definition, covert cellular PTZ IP-cameras that lack internal recording.”

Many outdoor covert video surveillance systems contain merely a standard definition, PTZ IP-camera and a cellular modem. They continuously stream video to a distant network video recorder, easily requiring 100 GB of data per month just for sending video to the recorder, not to mention any additional bandwidth required for live viewing. They consume 20 times the typical

5 GB/month cellular bandwidth allotment, and their video quality varies with the speed of the cellular network. If the standard definition camera were replaced by a high definition one, a staggering 500 GB/month of cellular traffic would be required just for distant recording. Such a high amount of traffic is not feasible. Boundless' *Smart uPTZ Camera*<sup>™</sup> avoids these problems.

“In addition, Boundless' *Smart uPTZ Camera*<sup>™</sup> uses my *reverse-pivot PTZ camera*, which is much smaller and more rugged than other PTZ cameras, while offering mechanical pan and tilt, and optical zoom. Like pointing the tip of a rifle through a small hole in a fence, it needs only a small window for a large angle of view, making it easier to hide and avoiding the light loss and blurring from conventional camera window concealments,” says Morton. “Furthermore, the *Smart uPTZ Camera*<sup>™</sup> has a wide voltage range, 12 VDC nominal input with low voltage shutdown. It can run continuously for a week on a single charge from a large external battery.”

Boundless is a manufacturer of ultra low bandwidth, outdoor digital video surveillance systems. Boundless is a woman-owned, small business founded in 2003, and designs, builds, configures and supports its products in America. Steve Morton is the system architect, has a BSEE and MSEE from MIT, has been awarded more than twenty US patents, and has assisted in numerous police actions. Boundless' products include the *Indoor Stranger Detector*<sup>™</sup>, and *Ultra Low Bandwidth, Outdoor 5 Mega-Pixel, Covert Cellular Smart Micro-PTZ Camera*<sup>™</sup>.

## Product Photo

[http://www.boundlesssecurity.com/images/BoundlessSecurity\\_Outdoor\\_Covert\\_Cellular\\_Smart\\_uPTZ\\_Camera\\_DSCN0761\\_c2014.jpg](http://www.boundlesssecurity.com/images/BoundlessSecurity_Outdoor_Covert_Cellular_Smart_uPTZ_Camera_DSCN0761_c2014.jpg)

## Product Literature

[http://www.boundlesssecurity.com/documents/BoundlessSecurity\\_Outdoor\\_Covert\\_Cellular\\_Smart\\_Camera\\_with\\_Smartphone\\_WiFi\\_Monitoring\\_flyer.pdf](http://www.boundlesssecurity.com/documents/BoundlessSecurity_Outdoor_Covert_Cellular_Smart_Camera_with_Smartphone_WiFi_Monitoring_flyer.pdf)

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