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## **BoundlessSecurity Places Covert uPTZ Camera System in Skinniest Traffic Cone and Increases Range 10X**



Newtown, CT. Boundless Security Systems, Inc., BoundlessSecurity.com, announces it has concealed a covert, Internet accessible, high definition, PTZ camera system in the skinniest, tallest and most popular traffic cone, the 42" traffic channelizer cone. The system's heart is Boundless' new *Cylindrical Smart uPTZ Camera* that Boundless makes in America and, despite its small size, has remotely controlled, mechanical pan, tilt, and optical zoom that enables a license plate to be read at 450 feet, **ten times** the range of other vendors' covert traffic cone video surveillance systems.

The rapid deployment system is light weight, easily transported, quickly set up and easy to use. It uses very low power and runs up to 5 days continuously on internal lithium batteries. High definition video is continuously recorded in the camera at 1920x1080 at very high sharpness, and also at 960x540 at a much lower data rate and for viewing live. The concealed, *Smart uPTZ Camera* is placed at the top of the cone for the best view of subjects, and has 256 GB of internal video storage. It supports an encrypted USB flash drive for easy removal and secure archival of stored video.

Multipurpose, the *Smart uPTZ Camera* and batteries can be removed from the cone and used in other housings. The camera uses a very small viewing window thanks to its *forward-pivot* pan-tilt mechanism. Unlike other PTZ cameras that pivot behind the lens, requiring a large window to have a big viewing angle and a dark, light-losing window for concealment, Boundless' *Smart uPTZ Camera* tilts near the front of the lens. This enables use of a small clear window for better concealment and low light performance, while providing a large viewing angle.

Taking convenience a giant step further, the concealed *Smart uPTZ Camera* optionally includes Boundless' *Rapid Review*. It enables viewing an hour's recorded video in a mere 30 seconds over the air. It avoids the tedium of reviewing long periods of recorded video to determine subject activity, or when an item was dropped off, removed or damaged. It provides a new

paradigm for investigators, enabling quick scanning of long periods of recorded video rather than watching live video, while greatly reducing the amount of cellular data required for video. Every hour, continuously and autonomously, within Boundless' *Smart uPTZ Camera*, without any extra equipment, user effort or cellular bandwidth, *Rapid Review* creates a timelapse video of the previous hour. Every day, it also creates a timelapse video of the previous day. The timelapse video is integrated with Boundless' normal, internally recorded video. The user views a timelapse video at **120X or faster**, then, when s/he spots something of interest, pauses playback and easily switches over to viewing normal recorded video, with its much greater detail.

The *Smart uPTZ Camera* provides a WiFi hotspot for wireless system setup where there is no cellular service. It has a 3D magnetometer so that the hotspot is active only when a magnet is placed at a particular location on the outside of the cone, and when removed, no WiFi network comes from the cone. The *Smart uPTZ Camera* also has a 3D accelerometer to detect movement of the cone, and, if a cellular network is available, to send an alert. And, since measuring battery voltage is a poor indicator of the amount of charge, and thus run time, remaining, *Smart Power Monitoring* is also provided that measures not just the battery voltage but also the amount of energy consumed, estimates the amount of run time remaining, and reports it via the Internet.

## Comparison

Compared to other covert video surveillance systems concealed in a traffic cone, this new system uses the most popular, tallest and skinniest traffic cone, instead of the shorter, fatter cone. This allows widespread use in large groups, and utilizes its tall height for the best view of subjects. Boundless' system has the highest resolution, high definition (1920x1080) video with high sharpness, rather than less resolution and much less sharpness. It has continuous, long internal recording, instead of unreliable motion-activated recording. It has a true, remotely controlled, pan-tilt-zoom camera, instead of a fixed focus lens, with a long range lens with up to 450-foot subject distance, a 10X improvement. It has an inconspicuous, small window thanks to its forward-pivot pan-tilt mechanism. Boundless' camera system can be removed and used in other housings, instead of being limited to the initial housing. It uses cellular-networks sparingly, reducing data charges, and has longer continuous run time on each battery charge. Its optional

**Rapid Review** enables viewing an hour's recorded video over the air in only 30 seconds, or a day in 24 seconds, thus avoiding the need to constantly watch live video to determine patterns of subject activity. It is completely autonomous, does not require additional equipment, and is integrated with normal recorded video for more details.

## **About Us**

Boundless Security Systems, Inc., was founded in 2003. Boundless specializes in outdoor covert video surveillance using cellular networks *wisely*. Steve Morton, its founder, CEO and CTO, has a BSEE and MSEE from MIT. He has been awarded 22 US Patents and has more patents pending, several of which are used in the Cone.

## **Contact**

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