TECHNOLOGY

Method and Apparatus for Locating and Delineating Unattended Packages

OVERVIEW

Background: Interest in automated security and surveillance methods has become a field of wide interest and research. Surveillance cameras are now commonplace tools used in crime prevention and detection. However, one area in which cameras have not been able to make much headway is in detecting unattended packages. The ability to detect unattended packages is important in locating potential bombs and other threats, especially in sensitive areas such as airports, military installations, and office buildings.

Researchers at the University of Maryland departments of Computer Science and Electrical and Computer Engineering have developed new methods of locating and delineating unattended packages in a video scene. This new method is capable of handling a 30FPS video stream of 320x240 pixels and robust in handling changes in scene lighting and signal noise.

Applications:
• Video surveillance systems where detection of abandoned and unattended packages is necessary such as in airports, military installations, and other sensitive areas.

Advantages:
• Analysis of 30FPS video source allows for realtime monitoring of scene
• Robustness to scene lighting changes and signal noise minimizes false positives

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Additional Information

INSTITUTION

University of Maryland, College Park

PATENT STATUS

Patent(s) pending

LICENSE STATUS

Contact OTC for licensing information

CATEGORIES

- Information Technology

EXTERNAL RESOURCES

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