

Visonic Launches Revolutionary Outdoor Mirror Detector with Anti-masking

Tel Aviv, Israel – December 24th, 2009 – Visonic Ltd., a leading developer and manufacturer of cutting-edge home security and safety systems and components, today announced the release of the [TOWER[®]-20AM outdoor motion detector](#). This revolutionary anti-masking mirror detector provides unparalleled alarm detection in outdoor environments due to the unique patented technologies it employs.

Providing reliable and false alarm-free motion detection outdoors is extremely difficult due to the frequency of valid interferences, such as rain, snow, lightning storms, swaying bushes, and free-roaming animals. Preventing false alarms is absolutely vital because of the intense distress and disruption they would cause a family at home.

The TOWER-20AM outdoor detector is the first to overcome these ultra-demanding challenges. It features Visonic's revolutionary Octa-Quad™ technology, which uses eight PIR sensors (as opposed to only one used in other outdoor detectors), with each sensor acting as a QUAD detector, to accurately determine whether an alarm is justified. In addition, and to make it even more reliable, the TOWER-20AM also has a robust housing and patented anti-masking protection that can distinguish between masking spray, rain and sprinkler irrigation to provide exceptionally high resistance to vandalism and masking.

"Many years of intensive research and development efforts resulted in this totally new and advanced outdoor motion detector, which fully meets the outdoor environment challenges and is unparalleled to anything available in the market today" said Dr. Avi Shachrai, CEO & President at Visonic. "With this new hardwired version of our outdoor detector, Visonic enables families all over the world to benefit from the best available outdoor detection, at any home with any existing security system".

Cutting edge, patented technologies

Visonic's new TOWER-20AM utilizes many unique technologies and features, including:

Octa-Quad™ technology – Overcomes the extremely complicated and ultra-demanding mission of preventing false alarms while providing accurate detection. This unique, patented technology is based on an array of eight independent PIR detectors that each monitor 1/8 of the field of view utilizing a Quad configuration and employing Visonic's patented, market proven TMR™ (True Motion Recognition) algorithm.

A central motion processor analyses the motion signals detected in each of the eight individual detectors, taking into account the time, amplitude, background temperature, speed of motion, size of target, and the direction of motion. Then, it compares the signals detected in relation to adjacent detectors and calculates whether a real alarm is justified based on true motion detected consecutively by the array of individual detectors.

V-Slot® window technology – Combined with mirror optics, this technology enables a recessed slot window, providing high resistance to environmental interference and vandalism.



Market-leading optics – A combination of elliptical-parabolic mirror optics delivers excellent detection sensitivity and false alarm immunity; unique Obsidian Black Mirror™ Technology provides nickel-based obsidian-like reflective surface that acts as a selective optical filter to infrared energy and virtually eliminates white light interference.

Anti-masking protection – A dome-like IR perimeter shield protects the slot from every angle direction, including creep zone; anti-spray perimeter grooves produce a diffractive IR beam pattern that provides a virtually unbeatable defense against even spray or lacquer.

About Visonic

The Visonic Group (LSE:VSC.L;TASE:VSC.TA), founded in 1973, is an international developer and manufacturer of high-quality electronic security systems and components. We are dedicated to enhancing people's way of life by increasing their sense of security. Our easy-to-use and innovative [home security and control solutions](#) and [personal emergency response systems \(PERS\)](#) are vital parts of everyday family life. By providing real-time connectivity between families, homes, property, care givers and community support networks, we empower people to pursue their daily lives with full confidence that the people and things they care most about are safe and comfortable. Visonic is headquartered in Israel, where we operate a development center and manufacturing plant. Our sales and marketing subsidiaries in the USA, Germany, UK, Poland, Spain and Hong Kong are supplemented by a worldwide network of distributors, serving a growing installed base that spans more than 70 countries. Please visit www.visonic.com.

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