



Emza Visual Sense Ltd.



Emza Visual Sense Ltd.

3 Hayozma St,
Industrial Zone
Kfar Saba 44422, Israel

Tel 972-9-7679333
Fax 972-9-7653550
www.emza-vs.com

Emza Visual Sense Ltd. introduces a revolutionary solution for low budget, outdoor perimeters protection and Intrusion detection. Established in 2006, Emza is a pioneer in developing autonomous, miniature, low cost devices that can interpret the visual world around us, performing tasks such as guarding, monitoring, counting and detecting, indoors and outdoors. Emza team includes senior mathematicians, algorithm designers, top-tier engineers and developers working on pre-cutting edge technologies.

Emza Visual Sense has developed the WiseEye™, a first of its kind visual sensor, which integrates key surveillance functions - image acquisition, video analysis, real time monitoring, event identification, alert detection and alert reporting into a miniature, palm size device that can be readily deployed anywhere.

The autonomous WiseEye™ device was designed to perform outdoor perimeter protection tasks for Real Time responding, Real Time damage and theft prevention. EMZA's proprietary video analysis technology provides superior false positives performance in all weather and lighting conditions. WiseEye™ automatically discount weather changes such as clouds, rain, wind, tree movements, shifting shadows, sun rising etc. The low cost and ease of installation enables

dense deployment of WiseEyes to provide maximum pixel-per-foot coverage, thereby eliminating "holes" or dead spots in the surveillance coverage.

How It Works?

Each such intelligent sensor "learns" its normal outdoor environment, detects and analyzes changes, ignores all weather changes, detects a real intrusion event and sends Real Time alert images, only during suspicious event, to local or remote monitoring room over any existing communication channel including low bandwidth cellular links. The alert images are recorded as short video stream on a local NVR (Network Video Recorder) device called Emza Control Unit (ECU). The ECU, which is standard IP device, dispatches the visual alerts to a remote control room, to PDA/mobile phone, or any email address, for immediate notification. In parallel, the ECU records all alert streams into a local database, which is accessible over secured Internet or corporate WAN by any remote web browser. The ECU can manage, control and record up to 64 WiseEye™ channels in real time.

The WiseEye Features:

- Low cost • Outdoor Operation (IP66) • Day/Night Operation • Detection Range: 150 meter • Low false positives • Wireless Communication (WIFI) • IR sensitive • Low-power (2-4 Watt) • Auto Scene Learning within seconds • All weather conditions • Plug N' Play configuration • IP network device

The WiseEye™ can be easily configured for detection rules such as Multiple direction detection/screening, Different motion/distance sensitivity, Identifying "static" alerts (object stopped), Masking and virtual fence/trigger lines (sterile zone), Automatic object size by field depth of view. The configuration is done remotely by intuitive user friendly interface

Typical Protection Applications

- Infrastructure facilities such as Electrical, Gas, Oil, Water, Petrochemical, Pipes etc., • County airports • Warehouses & Storage areas • Communication Towers • Constructions sites • Buildings security • Banking • Shopping centers • Car dealers • Parking yards • Train Stations • Schools

