



ODF Optronics Ltd.



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ODF Optronics Ltd., provides innovative vision-based systems for the Defense and Homeland Security and Consumer Electronics markets.

ODF's unique products are based on its proprietary achievements in the fields of Omni-Directional Imaging, Advanced Electro-Optic Sensors, Remote Observation Systems, Image Processing and Image Understanding Software.

The company's product lines include a wide variety of innovative products for Special Forces units and Law Enforcement personnel.

As a subsidiary of Star Defense Systems (SDS), ODF Optronics, is ideally positioned among key players in the hi-tech military industry. The Group's strategic alliances and commitment to R&D provide a solid backbone for the development of products and solutions at the cutting edge of technology.

ODF's Products

ODR

Omni-Directional Reconnaissance system for all types of vehicles: wheeled and tracked; heavy - ODR HV and light - ODR LV; combat and support. The ODR system provides persistent day & night 360° coverage while vehicle is in motion or stationary. It allows the operator to zoom and explore selected locations, view and record in high resolution, and document the information so it can be easily retrieved and used as evidence. ODR's proprietary Video Motion Detection (VMD) features further extend its surveillance capabilities by allowing the user to establish a Region of Interest (ROI) in which potential threats, indicated by motion, trigger alerts.

EyeBall™ R1

A 360° wireless sensor for field surveillance, designed for rapid deployment and real-time intelligence. EyeBall is easily rolled, tossed, dropped, raised or lowered into any potentially dangerous location and provides live video and sound.

EyeDrive™ - SUGV

An observation and surveillance remote-controlled, lightweight mini-robot that provides continuous real-time 360° audio and video surveillance. Unique Point 'n Go navigation directs the robot to any location by touching the location on the panoramic view on the control unit. The robot is equipped with robust ODF proprietary Video Motion Detection (VMD) providing early automatic alerts of significant events based on video and audio detection.

EyeFly

Rifle launched reconnaissance system that can be remotely deployed within seconds. EyeFly can be attached to a rifle's barrel and is launched by firing a 5.56 mm bullet. The arrow carries an electro-optic sensor, which attaches itself to any solid target and transmits 360° video from its immediate surroundings to a remote tactical display and control unit.

OWLlink - ODF Wireless Link

The OWLink system is a state of the art, SD/HD COFDM Point to Point data link, which is uniquely bi-directional with a low power consumption and superior modem performance under urban conditions.

The OWLink system is consists of several models offering different frequency ranges, RF power levels and supporting varied numbers of cameras.

Areas of Activity

Counter Terrorism, VIP Protection, Military Reconnaissance, Homeland Security operations, Low Intensity Conflicts (LIC), Search & Rescue, Law Enforcement & Crime Prevention and Surveillance Operations.

