



# Eye Drive™

Proprietary Mini Robots for Wireless Surveillance



You See. You Decide! Eye Drive.





# Eye Drive™

Specially designed for front-line personnel engaged in urban warfare and anti-terror, police, and search & rescue activities

They are somewhere on the other side, hidden from view, waiting for you to make a fatal mistake...

Let them wait.

Eye Drive is an observation and surveillance remote-controlled, lightweight mini-robot that provides continuous real-time 360° audio and video surveillance.

A single operator can easily:

- Carry and deploy the robot
- Maneuver it to an optimal position
- Observe & examine the scene in day, night and all weather conditions
- Track the threat

Each Eye Drive system includes a choice of one or two mini-robots with color and B&W cameras, each controlled independently using a single lightweight control unit.

With Eye Drive's proprietary Point 'n Go™ navigation feature, deploying these rugged surveillance robots is intuitive and easy.

The operator can remain in safe conditions when deploying and placing the remote-controlled robot. It searches into corridors and rooms prior to entry, searches under vehicles, observes and detects suspicious objects. The robot can be placed in standby mode and activated when required. Unique Point 'n Go navigation directs the robot to any location by touching the location on the panoramic view on the control unit; Since no joystick is required, the operator is able to focus on the mission, rather than on driving the robot.

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. Events can be recorded, logged and retrieved for evidence and debriefing and/or sent to remote command centers.

Now you have all the intelligence you need to make the on-site decisions that generate successful missions and save lives.



## Color Camera Robot and B & W Camera Robot

Choose the best way to proceed.



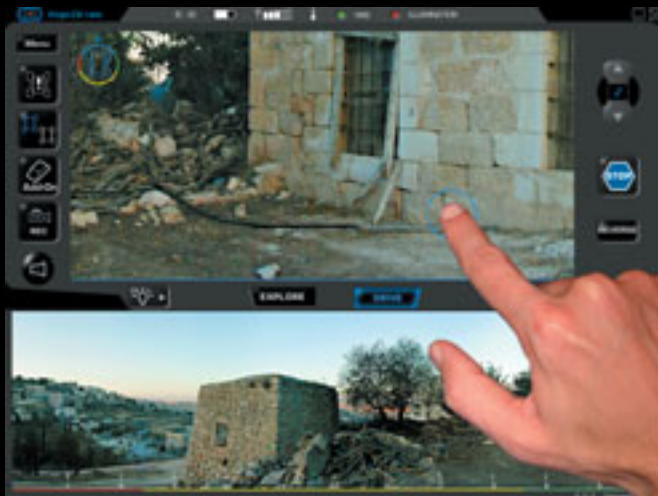
## Throw 'n Go™

ODF's Throw 'n Go protective pack allows the robot to exit automatically.



## Eye Drive

- Single or double robot pack
- Clear, precise, real-time 360° video images and sound
- 4 cameras for all around view + 5th Tilt and Zoom camera
- Robust ODF proprietary Video Motion Detection (VMD) providing early automatic alerts of significant events based on video and audio detection
- Recording of the events (video and audio) for evidence and debriefing with user-friendly logging and retrieval capabilities
- Compact, rugged and easy-to-use
- Usable day, night and in all weather conditions
- Point 'n Go navigation for intuitive operation & control
- Lightweight – Robot weighs only 2.3 kg/5 lb
- Carries up to 3 kg/6 lb of deployable sensors and explosives



## Point 'n Go™

ODF's Point 'n Go, image-based navigation feature provides intuitive operation & control.

## Eye Drive Add-On Options:

- Replaceable robot battery: For quick replacement in the field
- External robot battery pack: For doubling the operation time
- Throw 'n Go protective pack: For throwing the robot into remote locations, e.g. second floor, over a fence, etc; The robot automatically emerges from the case when it lands
- Operations vest: Designed to carry two robots and the control unit (PDU)
- Tracks: For maneuvering the robot through various ground conditions

## Throwing the Robot

Toss Eye Drive as high as 3 meters, over walls or through open windows. Dual-sided operation.



## Compact & Lightweight

The entire system is easily carried and deployed by one operator



## Product Specifications

### Robot

#### 360° Omni-Directional Panoramic View

4 Cameras for panoramic view + 1 zoom camera  
Black & white (B&W) or color cameras available  
Omni-Directional Resolution 2,500 x 570  
Field Of View 360°



### Video & Audio Transmission

Transmission Distance 70 meters (indoor)  
300 meters (outdoor)  
Video 2.4 GHz  
Data & Control 902 - 928 MHz  
Audio - Microphone Up to 5 meters



### MMI- Intuitive User Interface

Drive Mode Point 'n Go image navigation  
Explore Mode Point of interest automatic zooming

### Illumination

Wavelength Omni-directional N.I.R. (visible red dots) or Visible (white light)  
Illumination Distance 10 meters

### Rechargeable Battery

Operation Time Active: 3 hours  
Standby: 24 hours  
Maximum Time to Recharge 2 hours  
Operation Field replaceable. Additional external robot battery pack available

### Mechanical

Motion System Wheeled + tracked (optional)  
Speed Remote-controlled, up to 12 Km/Hour  
Dimensions 28 x 25 x 11 cm (11 x 9.8 x 4.3")  
Weight 2.3 Kg/5 lb, additional payload up to 3 Kg/6 lb  
Dual-sided Operation Displayed picture is automatically adjusted

### Portable Display & Control Unit (PDU)

Enables Video and Control Operation of 2 Robots  
Components: Control box (Video and Control antennas, cable with USB plug connects to a laptop, rechargeable battery), laptop (optional)

Laptop Recommended Requirements:

CPU 1.2 GHz  
Memory 1.5 GB  
Graphic Card 128 MB not shared  
Monitor 1200 NIT, Sunlight readable display  
Disk Space 20 GB (Approx. 12 hours recording)  
Resolution 1024 x 768  
Screen Size 10.4"

Specifications are subject to changes without prior notice. © 2008 ODF Optronics Ltd.