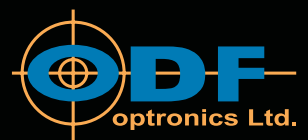


# ODR™ LV1

Omni-Directional Reconnaissance System for Light Vehicles



**ODR. Bring the world outside, inside.**



# ODDR™ LV1

## Omni-Directional Reconnaissance System for Light Vehicles

Specially designed for light vehicles engaged in law enforcement, anti-terror, VIP Protection, undercover, and search & rescue operations

You're driving into the unknown, watching out for the smallest details that might signal trouble. You have to keep your eyes ahead on the road, but problems could arise anywhere, from any side, and you can't afford to drop your guard. In this crowded, urban environment, how can you identify and isolate the event you are looking for?

Just press a button.

The ODR (Omni-Directional Reconnaissance) LV System for light vehicles gives you a 360° live, continuous panoramic view of everything going on outside. You can record, analyze, log the video and transmit it to a command center.

ODF proprietary Video Motion Detection (VMD) capabilities allow you to get alerts about dangerous activities in the area and set Region Of Interest (ROI) to trigger VMD alerts.

ODR mounts easily to the roof of any vehicle. The system includes an external observation pole and a control and display unit. The pole contains five perimeter cameras, an additional dedicated high-resolution Pan, Tilt and Zoom camera, accompanied by a dedicated NIR illumination (for night and low-light conditions). Image analysis software synthesizes the video stream into a 360°, easy-to-understand panoramic view. The display uses a traditional clock view marked 1 through 12, to keep the operator completely oriented.

- Crystal clear 360° panoramic video with an additional high-resolution Pan, Tilt and Zoom
- Color cameras (turn automatically to B&W in low light conditions)
- Proprietary Video Motion Detection (VMD) and real time alerts of threats to vehicle operators
- Record, log and transmit to a command center
- Lightweight, mobile, stand-alone, easy to mount and deploy

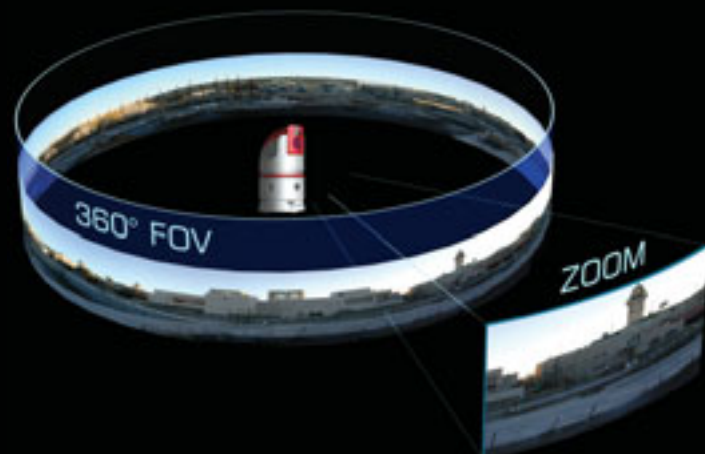


● NIR (854nm) Illumination

● 10X Optical Zoom

↻ 180° Tilt angle

↻ 360° Continuous Pan





a  
b  
c  
d  
e

g  
h  
i

- a. Record video
- b. Access recorded video log
- c. Video Motion Detection
- d. Clear & immediate alert
- e. Set Region Of Interest (ROI)
- f. Current view orientation
- g. High-resolution zoom
- h. Panoramic zoom in
- i. Panoramic zoom out

License plate identification from at least 50 meters



Law Enforcement



Search & Rescue



Special Vehicles



VIP Protection



Secure Transportation



Extenders for different height installations



# ODR™ LV1

## Product Specifications

### System Components:

- Omni-directional Observation Module
- Adapter connected via USB to a designated laptop (laptop supplied by ODF or customer)
- ODF proprietary omni-directional software package
- Cables linking Observation Module to Adapter and power source

### Observation Module:

#### Panorama (5 cameras)

Video output Color PAL/NTSC  
FOV 360° (H) / 58° (V)  
Resolution 520 TVL

#### Pan, Tilt, Zoom camera

Video Output Color PAL/NTSC  
FOV Hor. Wide (46.4°) / Tele (4.9°)  
Zoom 10X optical (10X Digital)  
Resolution 480 TVL  
Illumination NIR (854nm)  
FOV 32°  
Pan angle 360° continuous rotation  
Tilt angle 180°

Dimensions 20 cm / 7.9" (Height) X 13 cm / 5.1" (Diameter)  
Weight 3.5 Kg / 7 Lbs  
Power supply External power supply of 10-32 VDC (connected to a vehicle cigarette lighter via a supplied adapter)  
Environmental standard IP67 compliant  
Installation method 3 magnets at the bottom and/or screws

### Adapter:

Connection method Dedicated cable to Observation Module, USB cable to laptop  
Video out jacks S-Video, BNC

### Laptop:

#### Laptop Minimum Requirements

CPU 3 GHz single processor or Dual Core 1.2 GHz  
Memory 1.5 GB  
Graphic Card 128 MB not shared  
Disk Space 80 GB  
Resolution 1024 x 768  
Screen Size 10.4 inch



Optional: A downgraded ODR LV version with a fixed zoom (no Pan and Tilt)

O.D.F. Optronics Ltd. may change the product specifications without prior notice.  
© 2008 O.D.F. Optronics Ltd.

[www.odfopt.com](http://www.odfopt.com)

O.D.F. Optronics Ltd.  
Toyota Tower, 65 Yigal Alon St.  
Tel Aviv 67443 Israel

Tel:+972(0)3 6255870  
Fax:+972(0)3 6255871  
E-mail:info@odfopt.com

