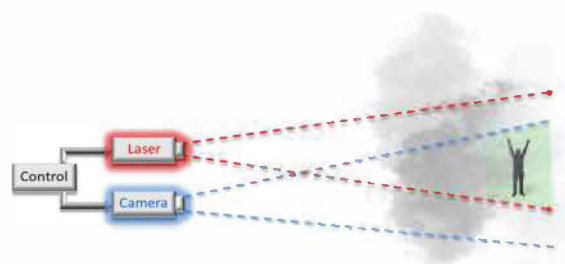
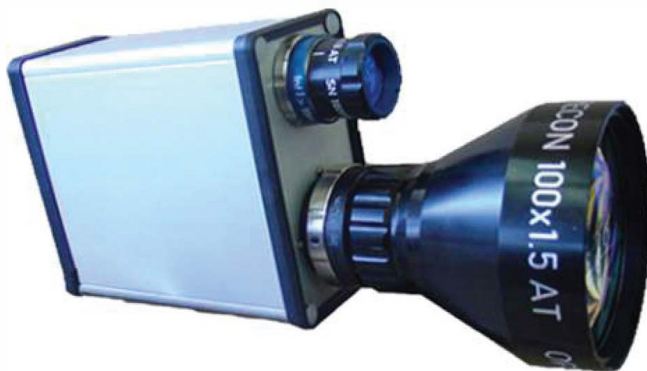


# 2.5D Ladar device



Innovative optical device for firefighting application, rescue missions in low visibility conditions, security systems and monitoring systems.

2.5D LADAR DEVICE is a new hardware-software system that integrates image intensifier, laser illuminator, gating and software into the device which will offer Full HD image in all light and weather conditions.

Existing image intensifier technology is matched with a laser illuminator, nanosecond gating power supply and image processing. The main innovation is operation in all light conditions and range-gated mode that provides a depth image using the time-of-flight method. This combination provides image at a required distance from the device even beyond atmospheric obstacles. In addition, the 2.5D LADAR DEVICE provides a range to target information that is very important for surveillance and security application.

- Optical pulses duration 50ns - 0.01 ms
- Optical peak power at 810 nm 15W
- Time delay between optical pulse and gate 20 ns - 0.02 ms
- Gate duration 50ns - 0.01 ms
- Repetition rate 5 Hz - 10 Hz
- Image resolution 1980x1080 piksela
- IR Lens Diameter 100 mm
- Magnification x4
- Identification/recognition range of a vehicle 2 km/3km
- Identification/recognition range of a man 800m/2km
- Power supply 12 V battery
- Outputs BNC50, USB2

