



# Electro-optical surveillance and deterrence

## Lasersec

Lasersec, a manufacturer of high-power, non-lethal laser systems based in Finland, has developed an award-winning system for mobile threat detection applications. SeaLase II is a multifunctional electro-optical system designed to detect, identify, and deter the approach of potential threats. The payload consists of a high power non-lethal laser device and a long range daylight/lowlight camera. The non-lethal laser is used to temporarily impair the vision of hostile contacts. Targeting the laser beam requires exceptional performance from the pan/tilt platform. The laser beam divergence is typically less than 0.3 degrees and, as such, the positioning is more demanding than for all but the longest range camera systems.

The modular design of the pan/tilt allows Lasersec to customize the system for different applications. Thermal, ultra low-light sCMOS, and SWIR cameras are optionally available for extended performance. An optional built-in laser rangefinder provides safe and effective operation by ensuring the correct amount of laser power on target in each operational mode.

“We chose the **FLIR PTU D100E** based on its outstanding specifications for accuracy and precision, simplicity of integration with tracking hardware, optional integrated gyro stabilization, and its tolerance to nearly any environmental conditions. Extensive field testing in locations ranging from Finland during the winter to the deserts in the Middle East have confirmed the performance.”

– Scott Buchter, CEO, Lasersec Systems Corporation



Sealease II Multi-functional electro-optical system



## About Lasersec

Lasersec Systems Corporation designs and manufactures high power lasers and electro-optical systems. Lasersec's products cover many different markets including non-lethal defense, remote sensing, medical therapeutics, and large format laser displays. Lasersec has customers in more than 40 countries around the world. In 2012, Lasersec won the Technical Innovation Award at the American Superyacht Forum in Ft. Lauderdale for the SeaLase II.

Lasersec has facilities in the United States, Finland, the United Kingdom, and Switzerland, as well as representatives in >60 countries.

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