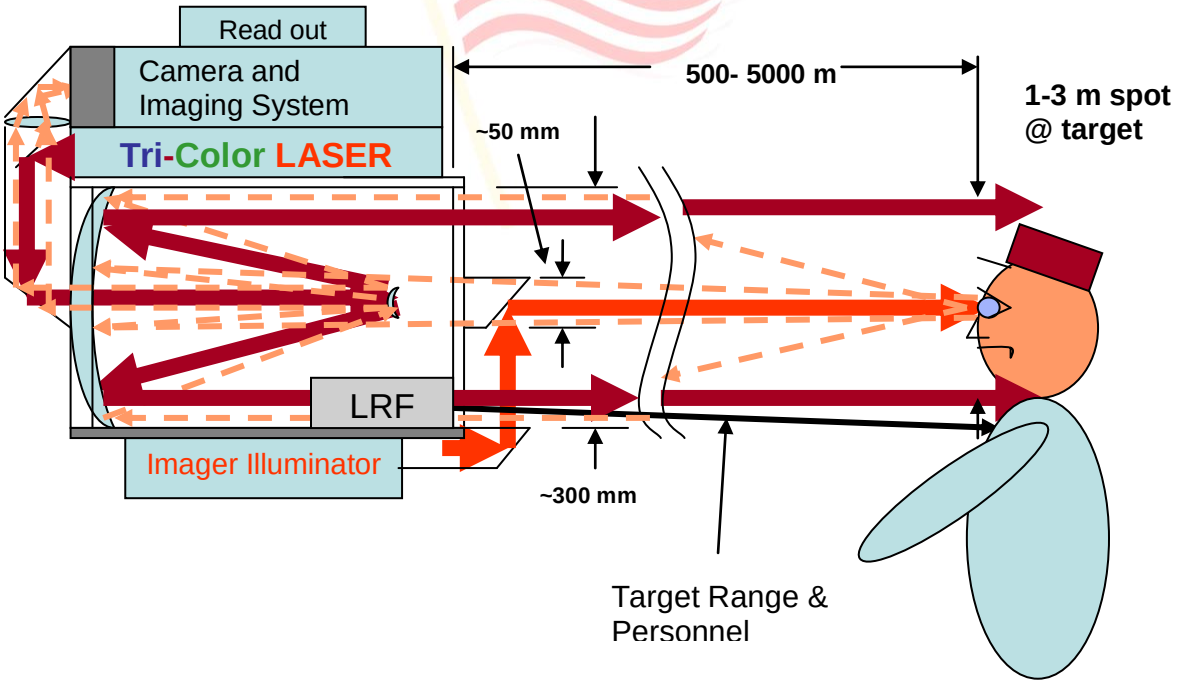
JP Innovations, LLC
Tri-Color Ocular Warning/Deterrent Device (TODD)

The purpose of a Laser Warning and Deterrent Device, commonly called an optical dazzler system, is to disrupt the activities of people who are determined to be potentially hostile without any personal injury to them. The JP Innovations, LLC Dazzler system is capable of providing irradiance levels suitable for hailing, warning, and dazzling at short and long ranges, that will meet the safety levels set by ANSI Standards throughout the range. Our Dazzler does not have a Nominal Optical Hazard Zone (NOHZ) for the unaided eye, but also has a safety feature which would prevent injury in case the target was using a binocular device.

Our design is based on over 20 years of experience building a wide variety of laser optical dazzlers, with extensive performance tests, and limited eye tests. The "Tri-Color Laser" uses diode pumped Nd:YAG lasers operating in the infrared region of the optical spectrum that are "doubled" to blue, green, and red wavelengths. These lasers can be adjusted to a wide range of operating power levels, up to daylight dazzling.

The TODD Deterrent System consists of the following components:

- Tri-color laser module
- Beam projection telescope
- High performance infrared illuminated range-gated imaging system
- Eye-safe laser range finder (LRF)



JP Innovations, LLC designs and delivers solid state diode pumped lasers (DPSS), eye safe lasers, compact high pulse energy lasers, high peak power 2 ns lasers, optical parametric oscillators, and other non-linear optical systems that can be used for LIBS, LIDAR, medical, bathymetry, designator, illuminator, and other industrial or military applications.

JP INNOVATIONS, LLC

101 E. Main St. Suite #207, Monroe, WA 98272 sales@jpinnovations.com *Phone:* 360-805-3124