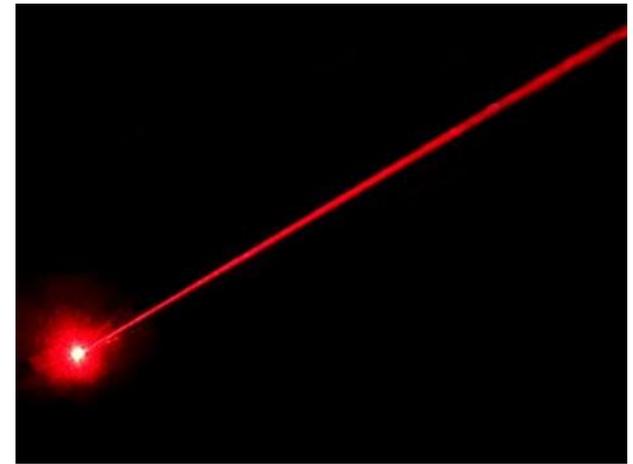
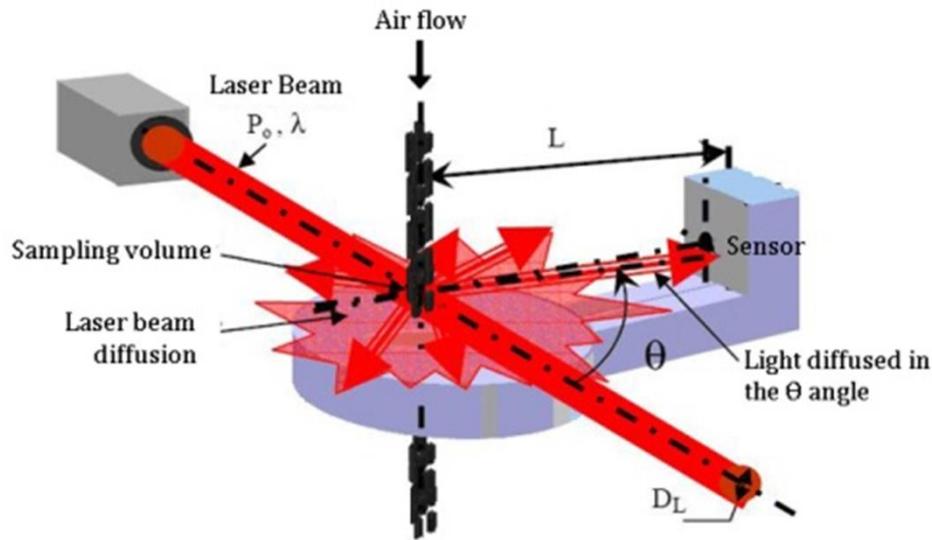


Counter measures for directed energy weapons



Laser weapon delivers the energy on a target with speed of light. Locating the source of these weapons relies upon their interaction with particles in the atmosphere, which redirects or blocks the energy imparted by the weapon.

How can you detect a laser attack?
How can you deflect the directed energy and counter the laser attack?

Submarine laser communications

Laser communication systems present the alternative to the radio signals since the channel bandwidth is very wide. Laser communication is invisible to the enemy due to exceptional high directivity. Effective laser communication system has to combat variations in the signal intensity due to turbulence along the laser propagation path.



Laser

Blue-green laser allows for low ocean absorption

Interception attempts result in immediate interruption of signal

How can you mediate laser signal worsening along the propagation path?