

Optics and Photonics



The field of optics has a significant impact on technology throughout society, including today's communications, computing, electronics, medical devices, space exploration, and defense systems.

Our firm's experience includes the following areas, among the many other technologies:

- Acousto-optic devices
- Adaptive optics
- Medical imaging technologies, such as optical diffuse imaging, X-rays, optical coherence tomography, and magnetic resonance imaging
- Dispersion compensation systems
- Holographic systems
- Laser material processing and manufacturing, laser gyroscopes, and laser metrology systems
- Optical communications devices and networks, including dense wavelength division multiplexing (DWDM), free space communications, and access networks
- Photonics, fiber optics, and integrated optical circuits (IOCs)
- Polarization maintaining amplifiers
- Semiconductor materials
- Quantum encryption
- Sensing, tracking, machine vision, and video compression systems
- Solar power generators and tracking systems
- Spectroscopy of biological and non-biological targets
- Ultrashort pulsed laser systems
- Remote sensing
- X-ray scanning systems

Our attorneys and technology specialists have extensive educational and industry experience in optics, opto-electronics and photonics engineering as well as related fields. Our patent professionals have advanced degrees in electrical engineering, computer systems, mechanical engineering, and physics. We also have significant industry experience, including R&D, design, development, testing, and field integration. As a result, of our education, industry experience and years of practicing patent law, we are able to expertly guide our clients patent prosecution and strategy choices.