Knight Optical supply custom and stock precision optical components for the latest Traffic Monitoring LiDAR systems. These LiDAR systems are a bane to many motorists where this technology have been utilised in traffic speed law enforcement. These systems are used as traffic speed law enforcement camera systems which can be found on motorways and major highways globally. Additionally they can be miniaturised into handheld systems which can accurately monitor the speed of single passing cars. These LiDAR systems are often integrated in conjunction with Automatic Number Plate Reading (ANPR) systems which allows for a traffic enforcer to quickly determine the offending vehicle and to automate the ticketing enforcement process.

**Cover windows**
Designed from tough materials able to withstand impact damage as well as scratches from high grit environments, these windows protect the vital components of the LiDAR system and can be AR coated for improved transmission over LiDAR wavelengths.

**Materials span the visible and NIR spectrum and include:**
- Sapphire
- Silicon
- BK7
- Quartz
- Fused Silica
- Toughened Borosilicate

**Front coated mirrors**
Optimized for maximum reflectivity at 1550nm or other ranges in the visible or NIR spectrum.

**Optical filters**
Stocked in a wide range of types and wavelengths or optimized for 1550nm.

**Lenses**
High precision, AR coated lenses in a range of materials suited for laser alignment and beam shaping in laser receiving and delivery optics.

Our state of the art Metrology and Quality Assurance department ensure that each component is individually inspected and tested to ensure it meets your exact specification.

For more information or to place an order contact our multilingual technical sales team and discover how Knight Optical’s high quality LiDAR optics and service can improve your instrumentation and supply chain experience.

EU: info@knightoptical.co.uk
US: usasales@knightoptical.com