Knight Optical supply precision optical components to customers in the Infrared Temperature Sensor industry for applications such as thermal imaging and spot measurement. Knight Optical’s extensive range of components include:

- **Precision lenses and optical windows in the following materials:**
  - Calcium Fluoride (CaF$_2$)
  - Lithium Fluoride (LiF$_2$)
  - Barium Fluoride (BaF$_2$)
  - Zinc Selenide (ZnSe)
  - Germanium (Ge)
  - Silicon (Si)
  - Quartz/Fused Silica
  - Magnesium Fluoride (MgF$_2$)
  - Sapphire (Al$_2$O$_3$)

- **Optical Filters**
  Including interference bandpass filters, narrow bandpass, neutral density, longpass, shortpass, all fully customisable to your required wavelengths.

- **Front Surface Mirrors**
  Including interference bandpass filters - narrow bandpass, longpass, shortpass, and neutral density filters - all fully customisable to your required wavelengths.

- **Collimators**
- **Beamsplitters** - to engage multiple detectors
- **Prisms**
  Including wedge prisms with AR coatings and a large range of stock prisms.

Knight Optical’s state-of-the-art metrology laboratory and quality assurance department ensure each component arrives to your specification. Transmission is verified by our suite of Varian Cary 5000 Spectrophotometers and components are checked by our technically trained team.

Data and transmission graphs can be presented alongside parts to ensure a seamless integration of components into our customers’ instruments and machines.