Coatings Capabilities

IR Filters (Covert, Semi-Covert, Blackeye) - Typically used with infra-red cameras, scopes, and night vision goggles for surveillance, these filters enable infrared energy to be emitted from a variety of light sources while blocking visible energy, avoiding detection by the unaided eye.

Specifications:
- Substrate: Any glass substrate
- Thickness: 1.1mm, 1.75mm, and 3.3mm
- Size: Up to 24” in diameter

**Covert Filter**
This covert filter design blocks energy with wavelengths shorter than 825nm.

**Semi-Covert Filter**
This semi-covert filter design transmits more of the near infrared energy. These filters are used with imaging systems requiring greater sensitivity to wavelengths 800-900nm.

**Blackeye Filter**
This unique filter consists of a two piece optically coated substrate designed to block the visible output of a light source from as close as 3 feet. Transmittance is <=1.0% average from 400 to 890 nm and >= 65% average from 950 to 2500nm. Reflectance is <= 5.0% average from 400 to 700nm. It is ideally suited for use with night vision equipment or CCD cameras for short or long range surveillance applications.