

# Solution For All Infrared Imaging

## Polarizing Filter for Infrared Camera WGF™ CAMERA FILTER

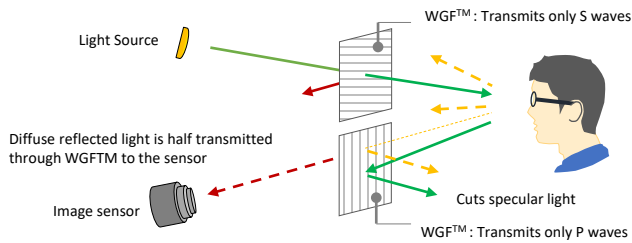


## Are you suffering from reflected light?

Our Wire Grid type WGF™ CAMERA FILTER supports wideband imaging from CMOS to InGaAs

### What Our Filter Can Do

The polarization state of light changes when it is reflected on an object. By using a polarizing filter, it is possible to selectively suppress the reflected light that interferes with imaging.



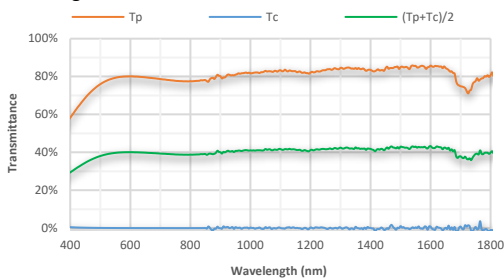
### Technical Information

**Flexible structure** A convenient double structure with a fixed frame that can be attached to a lens as it is and a rotating frame that allows you to freely adjust polarization axis. Both are same diameter size.

**Filter Diameter Lineup** **M40.5 M46 M52 M55 M58 M77 mm**  
Lineup of 6 types. Applicable to most sizes with step-up rings.

**Coating** The filter part has a two-layer structure of wire grid film and glass, and is not AR coated. It is environmentally reliable because the wire grid layer is not exposed to outer.

**Optical Performance** Single Transmittance : 39.98%  
Extinction Ratio : 1,500  
\*Average at 850-1,800nm



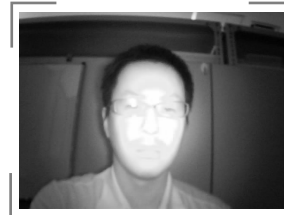
\* These data are reference values

**Option** Please contact us for special size and polarizing filters for light sources. You can get better anti-reflection effect by using WGF™ for both light source and camera.

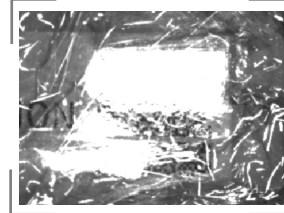
### Solution examples

#### Imaging a face wearing glasses

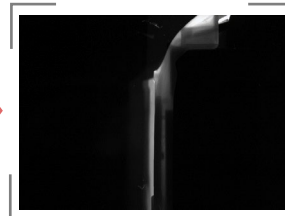
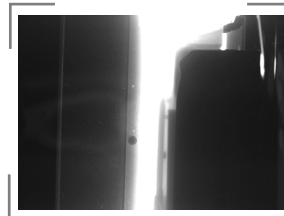
Sensor model:  
ABA-003IR-GE/ABA-013VIR-GE



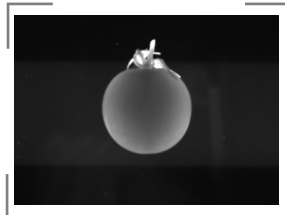
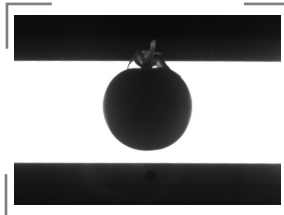
#### Reading QR code through wrapping film



#### Transmission inspection inside the printer ink tank



#### Transmission inspection of perishable foods



#### Detection of contaminants in an opaque bag

