

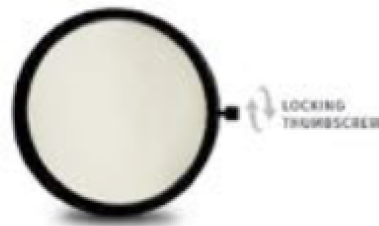
POLARIZERS

Polarizing Filters reduce reflection, enhance contrast and detect imperfections in transparent materials. Polarizing Filters for the camera lens should be used in combination with Polarizing Film for the light source to maximize glare reduction and achieve the best results.

POLARIZING FILTERS

MidOpt rotating Linear Polarizers thread onto the lens. Rotating the mount and visually observing the results makes it easy to determine the position at which glare reduction is maximized.

All mounted MidOpt polarizers come with a locking thumbscrew to ensure that jarring or accidental movement during cleaning does not result in a change to the filter's position.



- Contrast ratios of up to 10,000:1
- Linear, circular and wire grid polarizers are available for VIS – SWIR spectrums
- Rotating mount with locking thumb screw to fine tune glare reduction
- Available with anti-reflection and oleophobic coatings
- Exceptional surface quality; 40/20 scratch/dig*

**Applies in most cases*

POLARIZING FILM

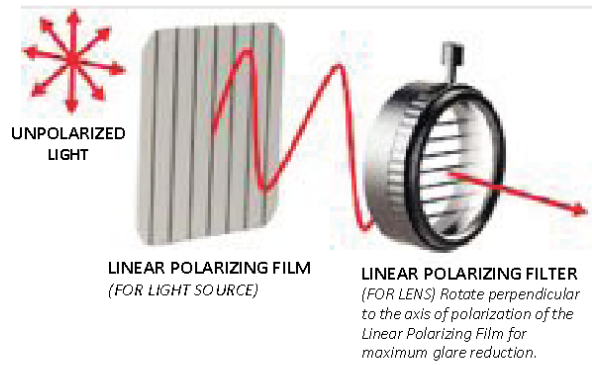
To maximize extinction, Linear Polarizers should be placed over the system's light source(s) to decrease glare and to help block incident light.

- Achieves optimal glare reduction when placed over light source
- Contrast ratios of up to 10,000:1
- Offered in high-temperature-resistant laminate and glass
- Linear polarizers are available for VIS and near-IR requirements
- Left and right circular polarizers are available for VIS spectrum applications
- PSA007, HTA008 and PSA1000 material comes standard with self-adhesive backing

APPLICATIONS: Polarizers are commonly used to reduce glare from objects with smooth surfaces or surfaces covered with grease, oil or liquid, and to detect stress and imperfections in transparent material.

For more information, visit midopt.com/polarizing

MOUNT & SIZE OPTIONS: Polarizing Filters and Films are in stock, ready to ship, and are available in Threaded Mounts, sizes $\frac{1}{8}$ " M22.5 to M105; Slip Mounts; or Unmounted. Polarizing Film is available in multiple thicknesses and can be custom laser cut to fit any light source with a maximum usable width of 16.5" and length up to 300'.



Polarizing

Filters
Film

POLARIZING FILTERS

PART #	USEFUL RANGE (nm)	CONTRAST RATIO
PR032	400-700	Up to 3000:1
PR120	400-700	Up to 10,000:1
PC052	400-700	Up to 700:1
PR1000	400-2000	Up to 8000:1

See page 39 for more details

POLARIZING FILMS

PART #	USEFUL RANGE (nm)	CONTRAST RATIO
PS007	400-700	Up to 3000:1
PSA007	400-700	Up to 3000:1
PS010	400-700	Up to 3000:1
PS030	400-700	Up to 7000:1
HT025	400-700	Up to 5000:1
HT008	400-700	Up to 10,000:1
HTA008	400-700	Up to 10,000:1
PG120	400-700	Up to 10,000:1
PS1000	400-2000	Up to 8000:1
PSA1000	400-2000	Up to 8000:1
PG1000	400-2000	Up to 8000:1

PI1000 DETAILED DESIGN

