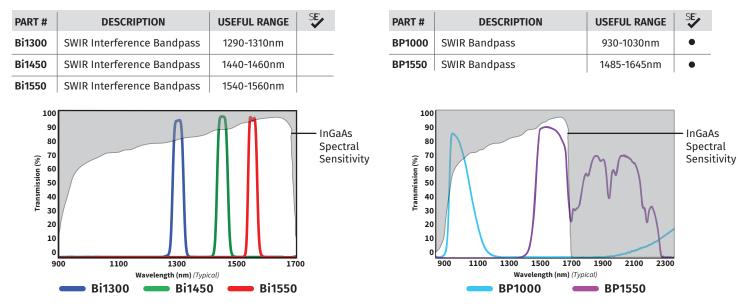


SWIR (Short-Wave Infrared) Filters enhance the image quality of InGaAs camera technology for a variety of machine vision applications. SWIR Filters are useful for applications imaging from 900-2300nm.

BANDPASS

SWIR Bandpass Filters are designed to pass the most common SWIR LED wavelengths. They are hard coated with a BBAR (broadband anti-reflection) coating optimized for imaging in the SWIR. SWIR Filters can be used for various inspection tasks in the food and beverage, woodworking, textile or automotive industries.



LONGPASS

SWIR Longpass Filters are designed to pass a broad spectrum of SWIR wavelengths while blocking visible light. They are available in both glass and acrylic options. LP1800 is made with a Germanium substrate and is also an ideal solution for protection windows, when (thermal) imaging up to 12 microns.

PART #	DESCRIPTION	USEFUL RANGE	SE		PART #	DESCRIPTION	USEFUL RANGE	SE
AC900	Acrylic SWIR Longpass	930-1650nm	•	I	LP1070	SWIR Longpass	1100-2300nm	٠
AC915	Acrylic SWIR Longpass	915-1650nm	•	-	LP1475	SWIR Longpass	1490-2300nm	
LP920	SWIR Longpass	930-2300nm		Ī	LP1475A	SWIR Longpass/Ext VIS Block	1490-2300nm	
LP1000	SWIR Longpass	1010-2300nm	•	-	LP1850	SWIR Longpass	1900-12,000nm	•
100 90 80 (%) 10 (%) 10 20 10 0		1900 2100 2300 cal) LP920 LP1000	Spe	iaAs ectral nsitivity	100 90 80 (%) looissiuus 40 20 10 0		1900 2100 2300 cal) LP1475A LP1850	– InGaAs Spectral Sensitivity



NEW SWIR FILTERS

NEUTRAL DENSITY

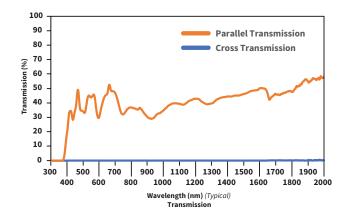
NiSeries Neutral-Density Filters feature uniform attenuation simultaneously over the visible and SWIR range, from 400-2000nm, and can be used with CCD/CMOS and InGaAs camera systems. They have identical male and female threads, so they can be stacked with other Ni Filters to achieve various optical densities.

ART #	DESCRIPTION	USEFUL RANGE
030	Low Reflectivity 50% Transmission	400-2000nm
060	Low Reflectivity 25% Transmission	400-2000nm
90	Low Reflectivity 12.5% Transmission	400-2000nm
120	Low Reflectivity 6.25% Transmission	400-2000nm
200	Reflective 1% Transmission	400-2000nm

POLARIZERS

Pi1000 Series Wire-Grid Polarizer Filters are effective in both the visible and SWIR range, from 400-2000nm, and are useful for reducing specular glare. Wire-Grid Polarizer Filters can be mounted to the lens and LED light source, have an average contrast ratio of up to 8,000:1 and have an operating temperature rating of 100° C per 1,000 hours.

PART #	DESCRIPTION	USEFUL RANGE	CONTRAST RATIO
PS1000	VIS/SWIR Wire Grid Linear Polarizer Film	400-2000nm	Up to 8000:1
PSA1000	VIS/SWIR Wire Grid Linear Polarizer Film with Adhesive Back	400-2000nm	Up to 8000:1
PR1000	VIS/SWIR Wire Grid Linear Polarizer Mounted Filter	400-2000nm	Up to 8000:1
PG1000	VIS/SWIR Wire Grid Linear Polarizer Unmounted Filter	400-2000nm	Up to 8000:1



WAVELENGTH	CONTRAST RATIO
450nm	2050: 1
550nm	4250: 1
650nm	8300: 1
850nm	1000: 1
1450nm	1000: 1
2000nm	1000: 1

Vision Light Tech B.V.

Protoneniaan 22, 5405 NE UDEN, P.O. Box 345, 5400 AH UDEN, The Netherlands Phone: +31 (0)413 26 00 67, Fax +31 (0)413 26 09 38, E-mail: inquiry@vlt.nl, Website: www.vlt.nl Trade register No. 17150044, VAT No. NL8112.30.946.B01