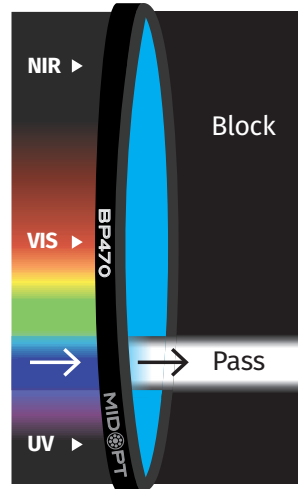
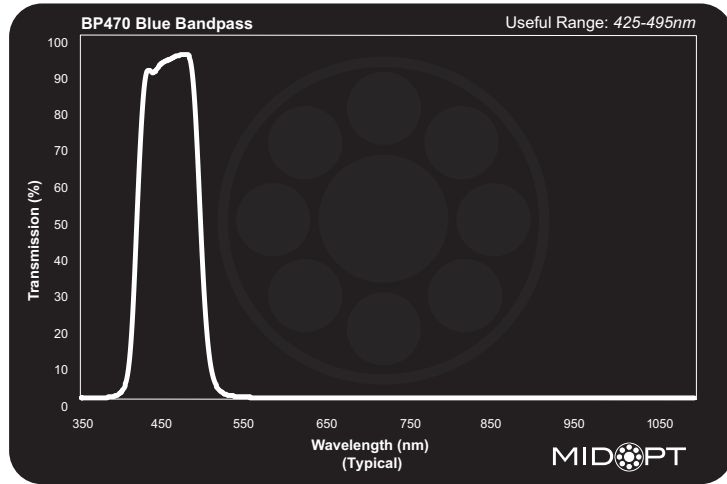


# BP470 BLUE BANDPASS

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**Useful Range:** 425-495nm  
**FWHM:** 85nm  
**Peak Transmission:** ≥90%  
**Surface Quality:** 40/20  
**Compatible LED:** 450nm, 465nm, 470nm

BP470 filters enhance viewing of subjects illuminated by blue LED lighting and any UV- excited blue fluorescence emissions (430-500nm). Its broad bandwidth and high peak (T ≥90%) transmission results in significantly brighter, higher contrast images. For most machine vision UV fluorescence applications, use of a BP470 filter is absolutely necessary.

## BP470 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.10	910	0.01	720	0.00	530	0.89
1090	0.08	900	0.00	710	0.00	520	3.86
1080	0.07	890	0.00	700	0.00	510	29.13
1070	0.06	880	0.00	690	0.00	500	76.88
1060	0.05	870	0.00	680	0.00	490	88.10
1050	0.04	860	0.00	670	0.01	480	90.56
1040	0.03	850	0.00	660	0.01	470	92.18
1030	0.02	840	0.01	650	0.00	460	90.70
1020	0.02	830	0.01	640	0.00	450	89.04
1010	0.02	820	0.01	630	0.00	440	87.42
1000	0.01	810	0.01	620	0.03	430	85.11
990	0.01	800	0.00	610	0.01	420	49.67
980	0.01	790	0.00	600	0.01	410	6.50
970	0.01	780	0.00	590	0.03	400	0.66
960	0.01	770	0.00	580	0.04	390	0.10
950	0.01	760	0.00	570	0.03	380	0.02
940	0.01	750	0.00	560	0.07	370	0.00
930	0.01	740	0.00	550	0.11	360	0.00
920	0.01	730	0.00	540	0.23	350	0.00

\*Due to continuous product improvement, specifications are subject to change without notice. For the most up-to-date information visit [www.midopt.com](http://www.midopt.com)

## FILTER MOUNT & SIZE OPTIONS

### Threaded Mount



For lenses with filter threads; Mount Sizes M13.25 - M105

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
BP470-13.25	M13.25 x P0.5	BP470-46	M46 x P0.75
BP470-22.5	M22.5 x P0.5	BP470-48	M48 x P0.75
BP470-25.4	M25.4 x P32TPI	BP470-49	M49 x P0.75
BP470-25.5	M25.5 x P0.5	BP470-52	M52 x P0.75
BP470-27	M27 x P0.5	BP470-55	M55 x P0.75
BP470-30.5	M30.5 x P0.5	BP470-58	M58 x P0.75
BP470-34	M34 x P0.5	BP470-62	M62 x P0.75
BP470-35.5	M35.5 x P0.5	BP470-67	M67 x P0.75
BP470-37	M37 x P0.75	BP470-72	M72 x P0.75
BP470-37.5	M37.5 x P0.5	BP470-77	M77 x P0.75
BP470-39	M39 x P0.5	BP470-82	M82 x P0.75
BP470-40.5	M40.5 x P0.5	BP470-86	M86 x P1.0
BP470-43	M43 x P0.75	BP470-95	M95 x P1.0
		BP470-105	M105 x P1.0

### 25.4™ C-Mount



Threads between lens and sensor

Part #: BP470-25.4

### Slip Mount



- Designed for lenses without filter threads, varifocal and wide-angle lenses
- Includes locking set screws to secure adapter to lens

#### Create Part #

Use "S" and add the outside diameter of lens in mm (ex: 43mm)

Example: BP470-S43

### Unmounted

Custom shapes & sizes available

#### Create Part #

CIRCLE: Use "D" and add diameter in mm (ex: 19mm)

Example: BP470-D19

RECTANGLE: Use "R" and add length in mm (ex: 30mm) x width in mm (ex: 15mm)

Example: BP470-R30x15

SQUARE: Use "R" and add side measurement in mm (ex: 15mm)

Example: BP470-R15