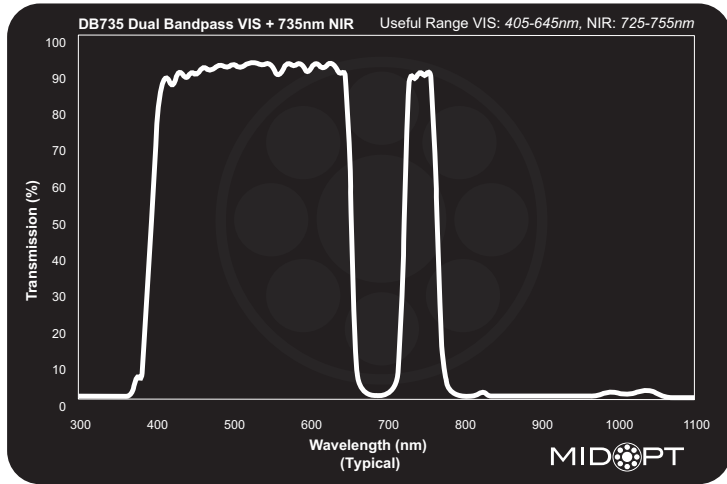
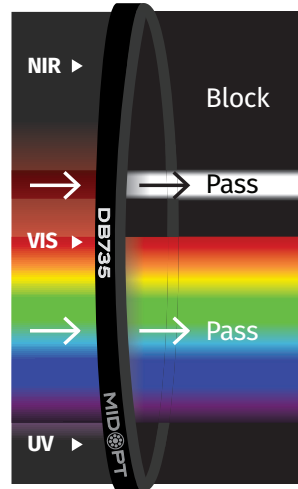


DB735 DUAL BANDPASS VIS + 735NM NIR

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DB735 filters pass visible light and 735-740nm LED light. These filters allow maintenance of excellent color rendition while taking advantage of any camera's significantly higher spectral response at lower near-infrared wavelengths. Useful for license plate recognition, traffic control, surveillance and machine vision applications.



Useful Range: 405-645nm, 725-755nm
FWHM: 250nm, 50nm
Peak Transmission: ≥90%
Surface Quality: 40/20
Compatible LED: 740nm

FILTER MOUNT & SIZE OPTIONS

Threaded Mount



For lenses with filter threads; Mount Sizes M13.25 - M82

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
DB735-13.25	M13.25 x P0.5	DB735-43	M43 x P0.75
DB735-22.5	M22.5 x P0.5	DB735-46	M46 x P0.75
DB735-25.4	M25.4 x P32TPI	DB735-48	M48 x P0.75
DB735-25.5	M25.5 x P0.5	DB735-49	M49 x P0.75
DB735-27	M27 x P0.5	DB735-52	M52 x P0.75
DB735-30.5	M30.5 x P0.5	DB735-55	M55 x P0.75
DB735-34	M34 x P0.5	DB735-58	M58 x P0.75
DB735-35.5	M35.5 x P0.5	DB735-62	M62 x P0.75
DB735-37	M37 x P0.75	DB735-67	M67 x P0.75
DB735-37.5	M37.5 x P0.5	DB735-72	M72 x P0.75
DB735-39	M39 x P0.5	DB735-77	M77 x P0.75
DB735-40.5	M40.5 x P0.5	DB735-82	M82 x P0.75

25.4™ C-Mount



Threads between lens and sensor

Part #: DB735-25.4

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: DB735-S43

Unmounted

Custom shapes & sizes available

Create Part

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

Example: DB735-D19

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

Example: DB735-R30x15

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

Example: DB735-R15

DB735 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.40	910	0.04	720	46.00	530	92.74
1090	0.33	900	0.04	710	4.39	520	92.88
1080	0.30	890	0.04	700	0.91	510	92.01
1070	0.34	880	0.03	690	0.46	500	92.28
1060	0.52	870	-0.05	680	0.49	490	91.88
1050	0.97	860	0.03	670	1.28	480	92.24
1040	1.57	850	0.03	660	6.65	470	91.24
1030	1.66	840	0.09	650	61.25	460	91.57
1020	1.15	830	0.48	640	90.29	450	89.93
1010	0.83	820	1.02	630	91.99	440	89.41
1000	1.00	810	0.36	620	92.36	430	90.22
990	1.24	800	0.30	610	92.14	420	86.94
980	0.94	790	0.59	600	91.66	410	88.57
970	0.37	780	2.00	590	91.47	400	79.16
960	0.11	770	12.31	580	92.50	390	40.53
950	0.06	760	68.42	570	92.66	380	6.62
940	0.06	750	90.13	560	90.24	370	3.33
930	0.05	740	90.13	550	91.35	360	0.06
920	0.05	730	89.46	540	92.64	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