



Dual Bandpass Filters are ideal for applications that use a color camera during the day and IR illumination at night – ensuring that clear, accurate images are acquired under all lighting conditions.

FEATURES

- Pass visible light and a specific narrow IR band
- Achieve accurate color rendition by blocking interfering wavelengths
- Allow viewing a scene with appropriately matched IR illumination at night

Useful for: video security, red light camera, game camera, license plate recognition applications, and NDVI

MOUNT & SIZE OPTIONS

- Threaded Mount, C/CS Mount, Slip Mount, Unmounted
- Threaded Mount Sizes: M13.25 - M82
- Custom sizes and shapes available

VISIBLE + NEAR-IR

Ideal for applications that use a color camera, allowing for accurate color images during the day and monochrome or color images at night. These filters pass visible light and a narrow IR band that make viewing with commensurate IR illumination possible at night.



Dual Bandpass Filters transmit two specific wavelength ranges while blocking unwanted light, eliminating the need for a second camera or filter switching mechanism.

WORKS TWICE AS HARD

COLOR BY DAY, INFRARED BY NIGHT

Part #	Description	Useful Range	FWHM	Tolerance	Minimum Peak Transmission	Surface Quality
DB SERIES — DUAL BANDWIDTH						
DB475/850	Dual Bandpass Visible Blue + NIR	Visible 460-490nm, NIR 830-870nm	40nm, 55nm	+/- 5nm	>90%	40/20
DB660/850	Dual Bandpass Visible Red + NIR	Visible 645-675nm, NIR 830-870nm	40nm, 50nm	+/- 5nm	>90%	40/20
DB735	Dual Bandpass Visible + 735nm NIR	Visible 405-645nm, NIR 725-755nm	250nm, 50nm	+/- 20nm	90%	40/20
DB850	Dual Bandpass Visible + 850nm NIR	Visible 405-645nm, NIR 835-875nm	250nm, 50nm	+/- 20nm	90%	40/20
DB940	Dual Bandpass Visible + 940nm NIR	Visible 405-650nm, NIR 925-965nm	250nm, 60nm	+/- 20nm	90%	40/20

**Due to continuous product improvement, specifications are subject to change without notice.*

