

Broadband Light Control from VIS to SWIR (400-2000nm)

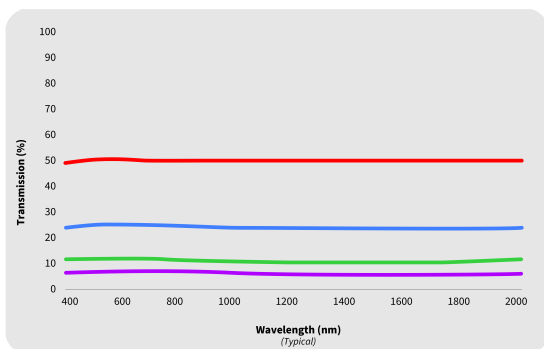
Engineered for CMOS, InGaAs and CQD Imaging

NX Series Neutral Density (ND) Filters are designed for smooth, consistent light attenuation across the full 400–2000nm spectrum. With transmission options of 6.25%, 12.5%, 25% and 50%, the NX Series offers dependable performance for visible (VIS), near-infrared (NIR) and short-wave infrared (SWIR) imaging – ideal for applications that require longer exposures, reduced depth of field or broadband illumination control.

Built on precision-polished B270 glass and coated with a proprietary non-reflective finish, NX filters deliver excellent image quality, uniform thickness and a neutral gray/black appearance that reduces stray reflections. NX Series filters are housed in a rugged metal ring with matching male and female threads, making them easy to stack for customized attenuation. NX filters are also available as custom-cut pieces up to 165mm square for integration with broadband light sources or large-format optics.



MidOpt® offers short lead times on all NX Series ND Filters.



KEY FEATURES:

- Non-reflective, color-neutral, spectrally flat performance from 400–2000nm (VIS/NIR/SWIR)
- Optical densities from 0.3 to 1.2 (50% to 6.25% transmission)
- Precision polished B270 glass ensures excellent image quality and thickness consistency
- Durable, low-profile gray/black coating minimizes reflections for discreet imaging
- Stackable metal ring design with identical male/female threads for flexible use
- Available in 1mm or 2mm thickness and custom formats up to 165mm square

SPECIFICATIONS

NX030

Useful Range: 400-2000nm
 Optical Density: 0.3
 Average Transmission: 50%
 Tolerance: +/- 4%
 Absolute Reflectivity: <3%
 Surface Quality: 40/20

NX060

Useful Range: 400-2000nm
 Optical Density: 0.6
 Average Transmission: 25%
 Tolerance: +/- 3%
 Absolute Reflectivity: <3%
 Surface Quality: 40/20

NX090

Useful Range: 400-2000nm
 Optical Density: 0.9
 Average Transmission: 12.5%
 Tolerance: +/- 1.5%
 Absolute Reflectivity: <3%
 Surface Quality: 40/20

NX120

Useful Range: 400-2000nm
 Optical Density: 1.2
 Average Transmission: 6.25%
 Tolerance: +/- 0.9%
 Absolute Reflectivity: <4%
 Surface Quality: 40/20

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More info: midopt.com/nd-filters
 or scan the code

