

# Solaris™ NIR

High performance near-infrared solutions  
for machine vision applications



Solaris™ S306 is a highly transparent, near-infrared (NIR) filter which blocks the entire visible spectrum and ultraviolet light.

Therefore, it is specifically designed for applications utilizing near-infrared light, such as machine vision applications, iris scanners, LIDAR applications, TOF devices, and facial recognition systems.

Appearing perfectly black to the human eye, Solaris™ S306 efficiently eliminates any possibility of identifying electronics or optical components inside the device. Also, for NIR sensors capable of detecting partial VIS light, our IR S306 solution is very efficient as a band pass filter allowing only NIR light to reach the sensors.

Our Solaris™ filters are the perfect choice for transmission of light in the near-infrared region, efficiently blocking all other wavelengths than the NIR wavelength range from 800nm to approximately 2000nm. The near-infrared filter absorbs the entire visible spectrum and ultraviolet light and delivers maximum transmittance in the NIR range.

## Technical Data

NIR Transmission:	Up to 92%
Thickness:	From 0,5 mm
Tolerances:	Down to +/- 0,1 mm
Dimensions:	Up to 2000 x 3000 mm