PSC

ALWAYS IN FRONT

# NIR AR™

**Anti-reflective coating optimized for NIR sensors, scanners & cameras**

## Optimized AR

Anti-reflective display coatings are optimized for the wavelengths visible to the human eye. However, most machine vision applications only benefit from specific wavelengths within the VIS range (red) or longer wavelengths than those visible to the human eye.

We have a range of unique and very effective anti-reflective surface treatments for these applications. These optimized AR coatings are applied to our acrylic sheet material.

These coatings are designed to obtain maximum AR performance in the exact application-specific wavelength range. It reduces reflections and increases transmission in the desired wavelengths. This is beneficial in many cameras, scanners, and sensors.

## NIR AR

NIR AR is often applied to our Solaris™ IR S306 filter. This means that the filter's transmission is improved to almost 100% in the NIR range. Many traffic cameras and iris recognition applications utilize our NIR AR solution for faster and more precise detections, maximizing the signal-to-noise ratio.

## Technical Data

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|---|---|
| Base Material*: | Solaris™ S306 |
| NIR Transmission: | Up to 99% |
| Pencil Hardness: | 6H |
| Thickness*: | 1,5mm |

*Other base materials and thicknesses are available upon request.

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