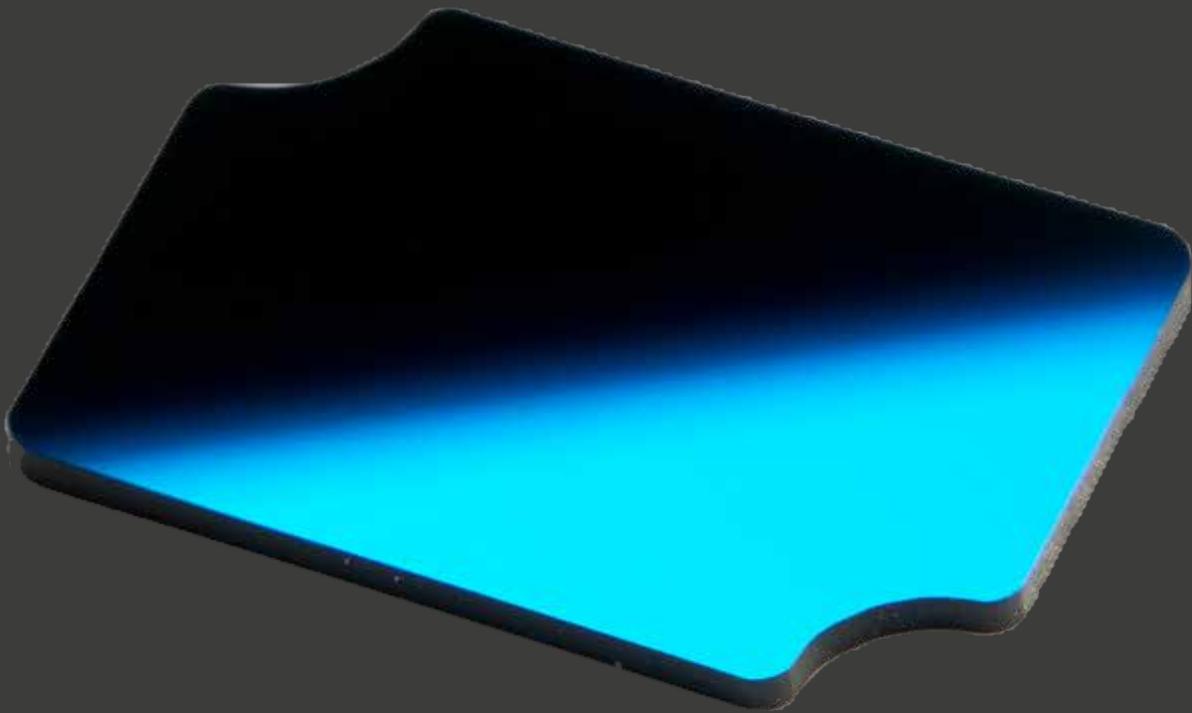


Optimised AR: NIR AR

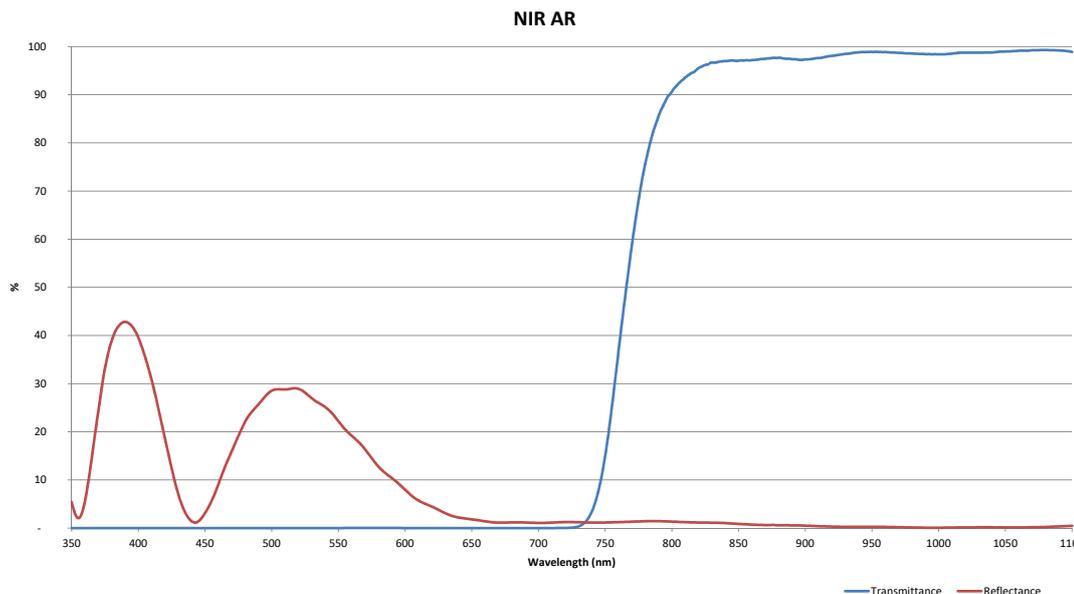
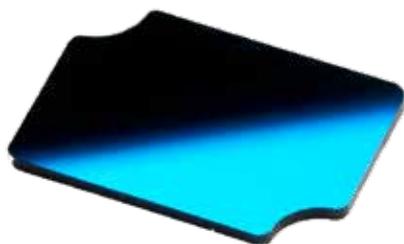
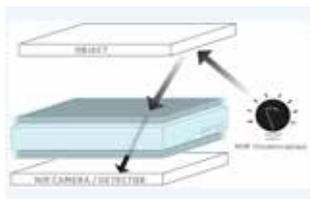
**High performance anti-reflective (AR)
coating optimized for NIR sensors,
scanners & cameras**



PSE

OPTICAL SOLUTIONS REFINED

Product Features



NIR AR

The NIR AR is an AR coating optimised for applications operating in the near infrared area. Most often, the NIR AR is applied to our Solaris™ IR 306 filter. This means that the filter’s transmission is improved to almost 100 % in the NIR range. A wide range of applications, such as ANPR/traffic cameras, facial recognition and iris scanners, NIR TOF devices, etc. utilize our high performance NIR AR solution for faster and more precise detections, maximizing the signal-to-noise ratio in the signal detection.

The NIR AR solution is sheet to part which enables full design freedom.

Optimized AR

The spectral properties of anti reflective coatings for display applications 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 of visible light (NIR).

For these applications PSC has developed a range of unique and very effective AR surface treatments called Optimized AR Coatings. The Optimized AR is applied to our acrylic sheet material.

The Optimized AR Coatings are designed to obtain maximum AR performance in the exact application-specific wavelength range. It reduces reflections to an absolute minimum and increases undisturbed transmission in the desired range. This is highly relevant in certain camera, scanner, and sensor applications.

Technical Data

Pencil Hardness	6 H
Base Material	Solaris™ IR 306
Light Transmittance NIR range, typical IR 306	≥ 99%
Standard Thicknesses*	1.5 mm

*Other base materials and thicknesses available upon request. MOQ applies.