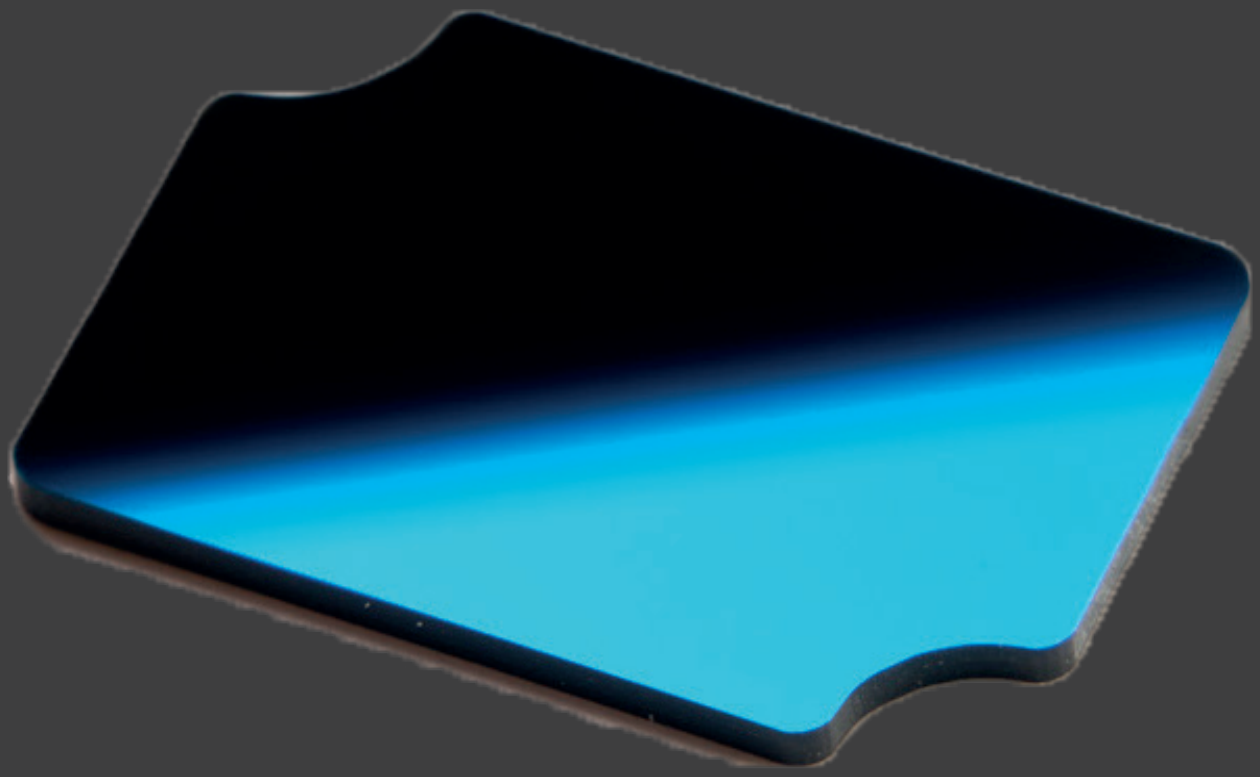
Optimized AR: NIR AR

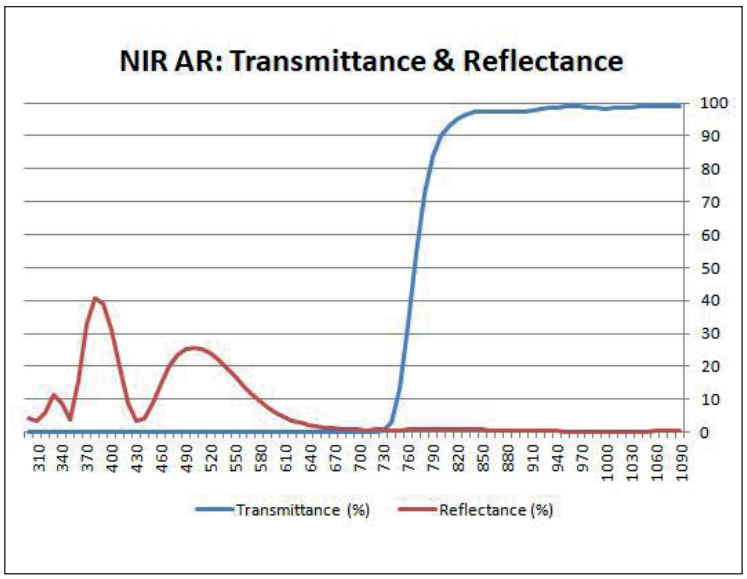
Very effective anti-reflective (AR) coating optimized for NIR sensors, scanners & cameras

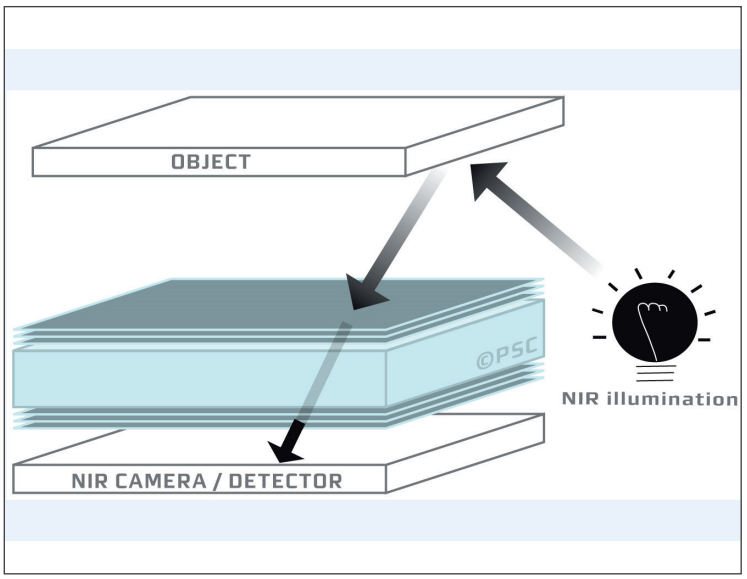


PSC

ALWAYS IN FRONT

Technical Specifications





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.

NIR AR
The 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. Certain traffic cameras and iris recognition applications apply our NIR AR solution for faster and more precise detections, maximizing the signal-to-noise ratio in the signal detection.

Technical Data

NIR transmission, typical	Up to 99%
Reflection*	< 1%, single sided

* Guaranteed: 890 nm +- 30 nm.
Typical: 750 to 1064 nm