

## 3.2 Accessories

### 3.2.1 Air purge laminar

The lens must be kept clean at all times from dust, smoke, fumes and other contaminants in order to avoid reading errors. These effects can be reduced by using an air purge. (**Part-No.: ACXIAPL**)



- Make sure to use oil-free, technically clean air, only.
- The needed amount of air (approx. 2...10 l/min.) depends on the application and the installation conditions on-site.
- The corresponding mounting bracket (**Part-No.: ACXIAPLAB**) is mandatory.
- Material: Anodized aluminum, weight: 218 g / 494 g with mounting bracket
- Ambient temperature: 0...80 °C (T<sub>Amb</sub> camera: 0...50 °C); with water cooled housing up to 250 °C

#### Air flow

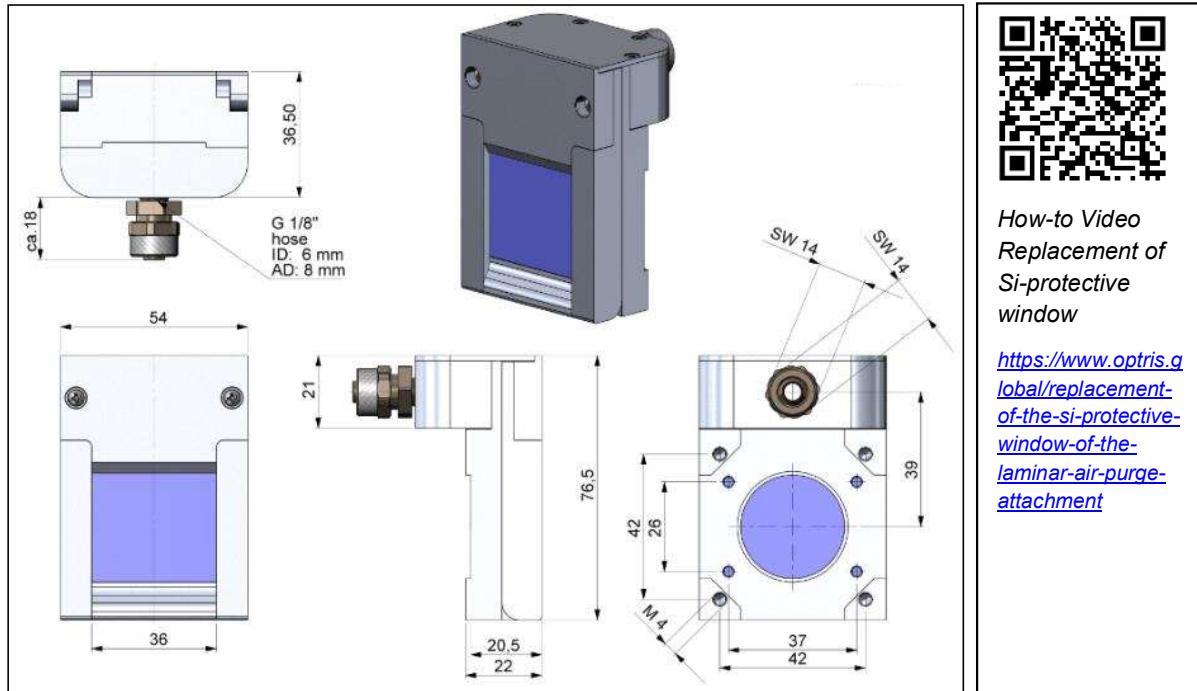
The air purge can be mounted in four different positions.

The direction of the airflow must always be clear.



The following table shows the article numbers for the air purge and corresponding replacement windows:

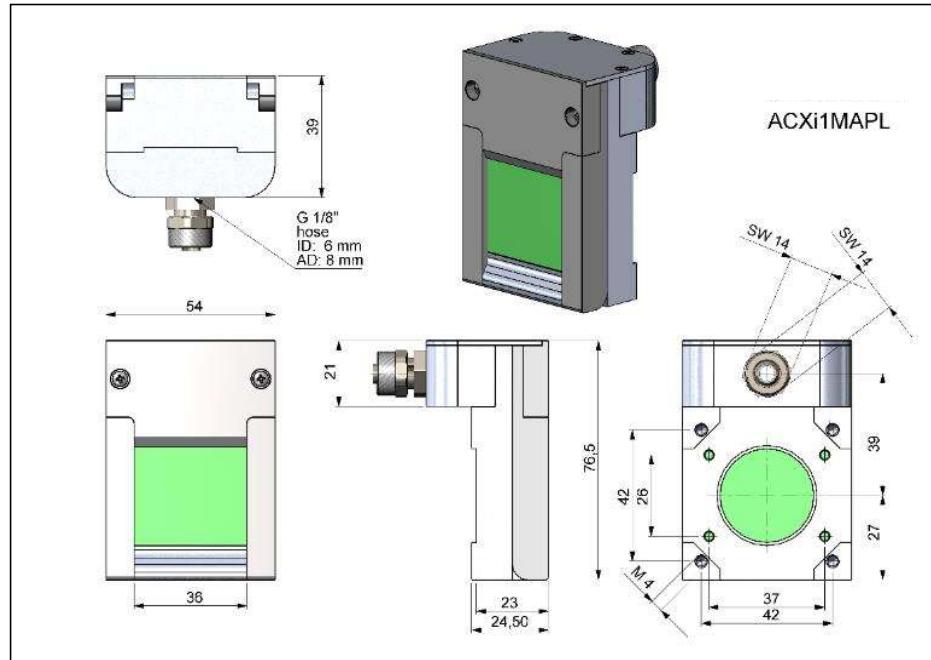
<b>Camera</b>	<b>Air purge</b>	<b>replacement window</b>
Xi 80	ACXIAPL	ACXIAPLPWSI
Xi 400	ACXIAPL	ACXIAPLPWSI
Xi 410	ACXIAPL	ACXIAPLPWSI
Xi 410 MT	ACXIMTAPL	ACXIMTAPLPWSI
Xi 640	ACXIAPL	ACXIAPLPWSI
Xi 1M	ACXI1MAPL	ACXI1MAPLPWB33



How-to Video  
Replacement of  
Si-protective  
window

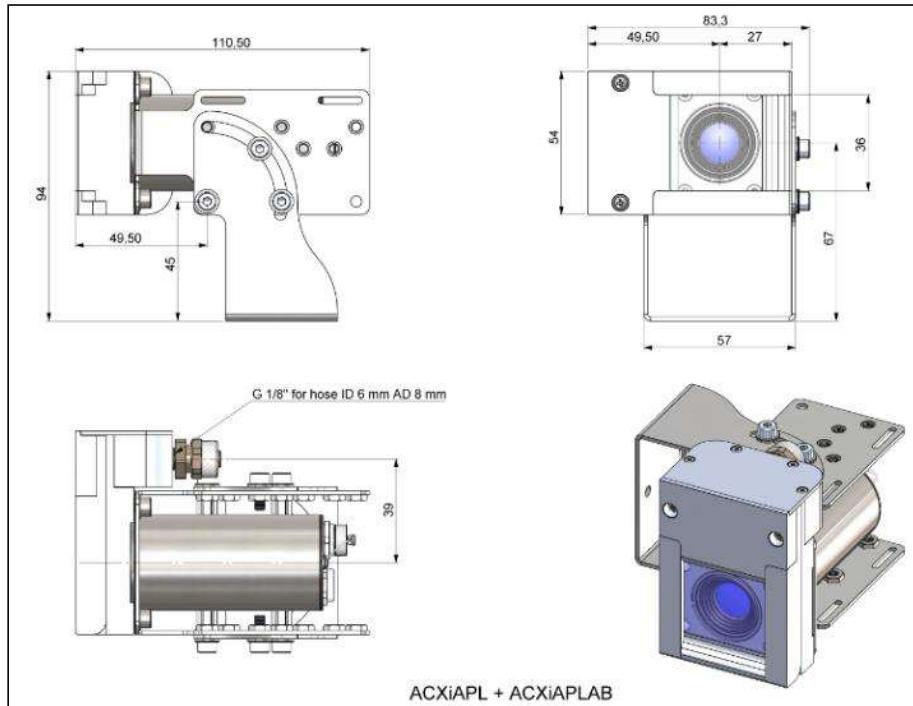
<https://www.optris.global/replacement-of-the-si-protective-window-of-the-laminar-air-purge-attachment>

**Figure 10:** Laminar air purge with Si-protective window [ACXIAPL and ACXIMTAPL], dimensions [mm]

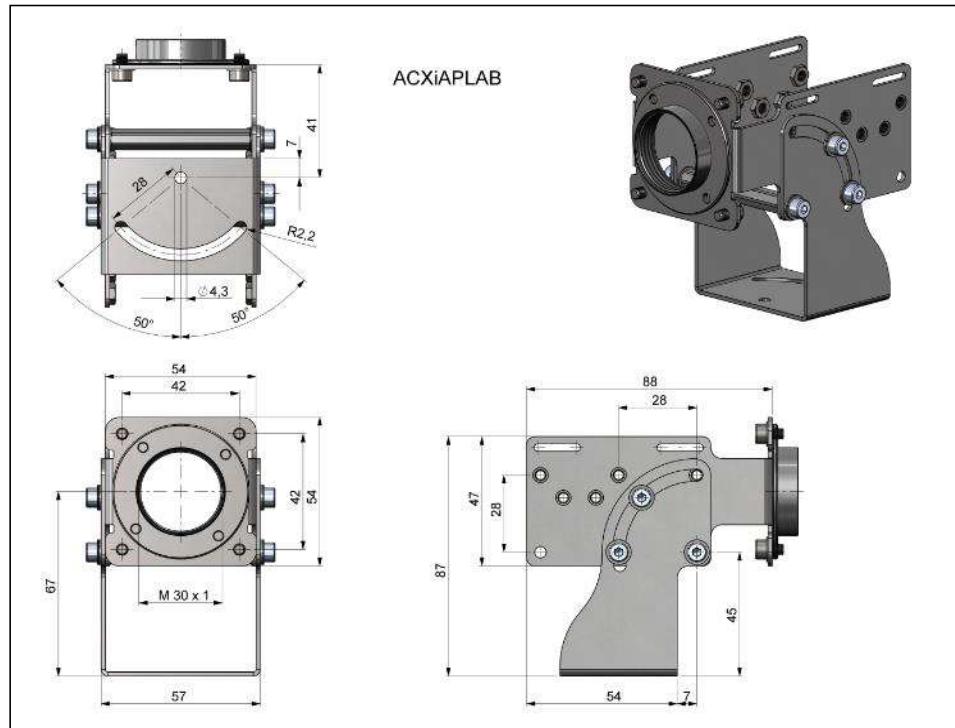


How-to video Xi 400

<https://www.optris.global/mounting-the-air-purge-unit-on-xi-400>



**Figure 12:** Laminar air purge with Si protective window (ACXIAPL) and mounting bracket (ACXIAPLAB), dimensions [mm]



**Figure 13:** Mounting bracket (ACXIAPLAB), dimensions [mm], weight: 276 g