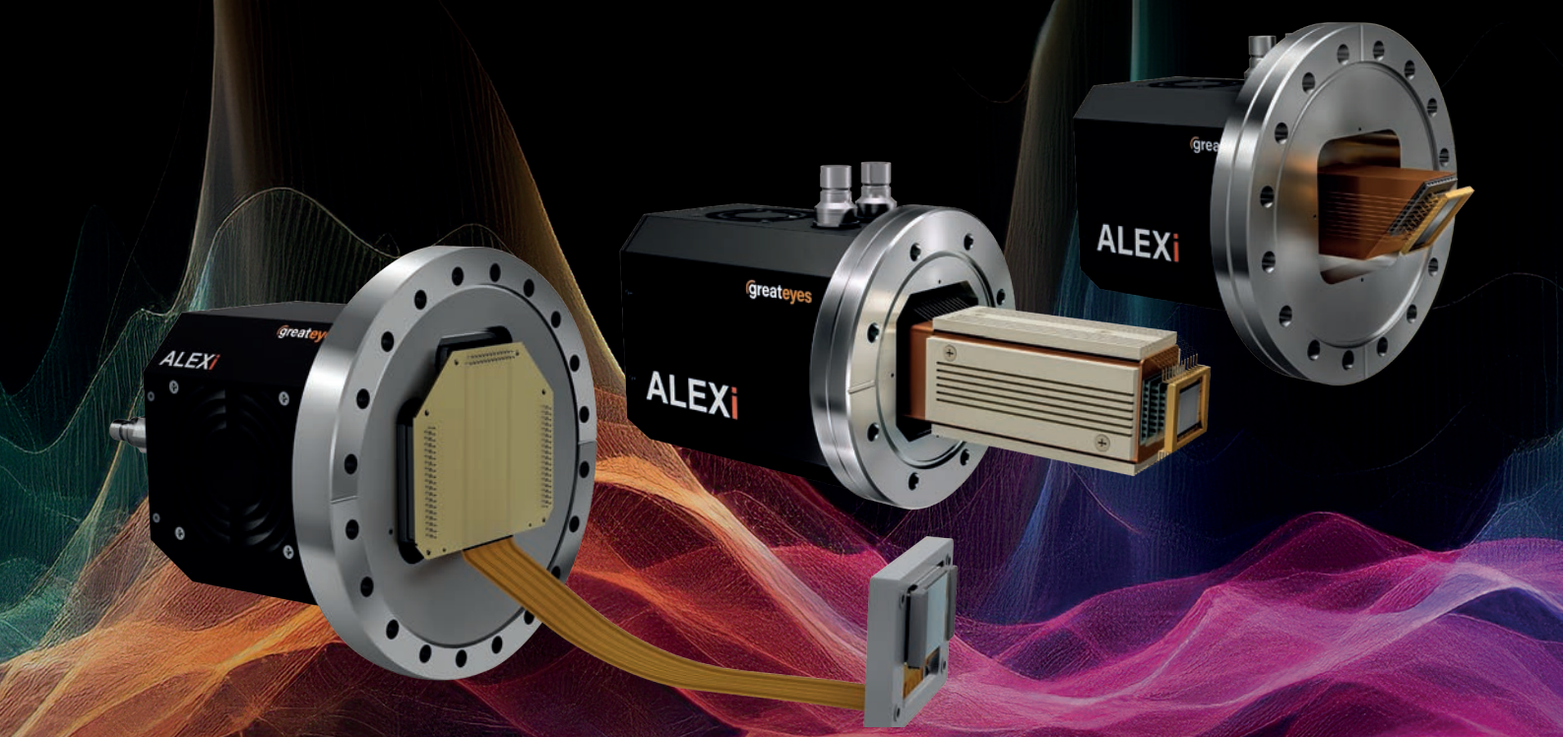
greateyes
EXPAND YOUR VISION

CUSTOMISED CAMERAS FOR
IMAGING & SPECTROSCOPY

Customised Cameras

Tailoring **ALEX** and **LOTTE** cameras to your requirements, including custom sensor designs and optimisation for specific spectral ranges



CUSTOM SENSOR DESIGNS

Detached Sensor
enabling the sensor to be close to the sample or target

Sensor Protrusion and/or Sensor Tilt
providing nearly all geometries you can think of!

CUSTOMISATION OPTIONS

Various flange types

Hermetically sealed cameras

Specific labelling

Special window or filter materials

Specific software modules

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PRECISOMETER
Official representative of Greateyes

info@precisometer.com
precisometer.com/greateyes

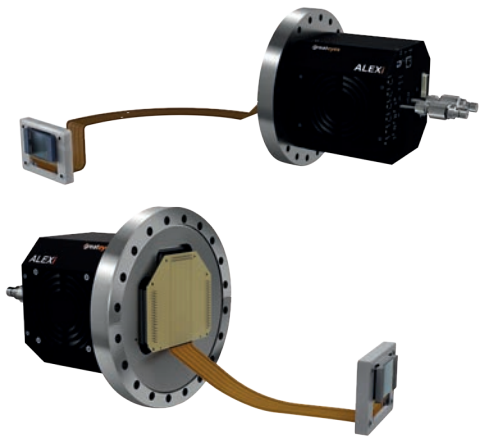
Customised Cameras



ALEX and LOTTE for UV, VIS, NIR

The camera families **ALEX** and **LOTTE** are designed for versatile detection tasks under vacuum conditions. It happens that most of our customer's applications for these cameras are in the X-ray, EUV, or VUV spectral range. However, we can also optimise both **ALEX** and **LOTTE** for applications in the UV, VIS, and NIR range.

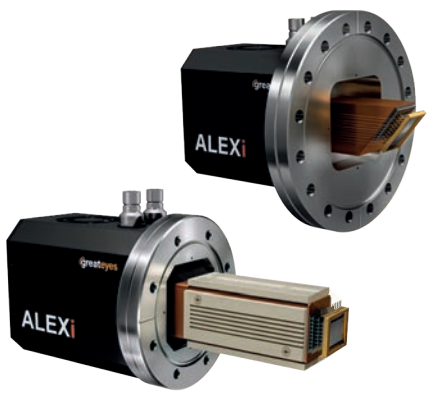
If you are looking for a vacuum-compatible camera to detect UV, VIS, and/or NIR light, please share your request with us. We will be very happy to equip **ALEX** or **LOTTE** with the perfect sensor with the highest possible quantum efficiency for your application.



DETACHED SENSOR

Having the sensor close to the sample or target (e.g. to cover a solid angle in spectroscopy) can be challenging or – depending on the experimental setup – impossible to achieve with standard camera designs. In case an in-vacuum camera (LOTTE series) is too large to insert into the vacuum chamber, we recommend the utilisation of a customised **ALEX** camera with detached sensor.

All available sensor models are compatible with this solution. The compact and lightweight sensor unit, with thermoelectric cooling, sits in vacuum, with electrical connections (data and power) and water cooling hoses connecting to the interface flange, and the main camera body sitting on the "air-side" of this flange. Please get it touch with our technical sales team for further information.



SENSOR PROTRUSION and/or SENSOR TILT

Whether your experiment requires the beam to hit the sensor straight or at gracing incidence, the setup may not allow the sensor focal plane to be parallel to the camera flange. Our technical team has vast experience in customising the sensor position of the **ALEX** camera series. We can provide nearly all geometries you can think of, so please reach out for a detailed discussion of your requirements.

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