

## SPS Accessories Camera



The camera option for the SPS instruments enables the documentation of visual changes to samples during a sorption measurement.

- Color changes
- Sintering and viscous flow
- Structural changes (e.g. cracks)
- Swelling and deformation
- Liquefaction and solidification

Image acquisition is triggered via the SPS software and synchronised with the sample changer. Images are allocated to the sorption data of the samples.

### Technical data

Sensor type

CMOS

Sensor size

11.3 mm x 11.3 mm

Resolution

2046 x 2046 pixel

Pixel size

5.5 µm x 5.5 µm

Camera lenses

35 mm for sample dishes Ø 50 mm

50 mm for sample dishes Ø 33 mm

Camera adaptor set

for the adaption of the 35 mm and 50 mm lenses

Lense mount

C-Mount

Camera mount

with anti-condense heating

LED ring light

fully automated, integrated into the camera mount

Interface

Gigabit Ethernet

Data format

PNG images

Software

extension of the SPS Software with the following functions:

- synchronisation of the camera with the sample changer
- image acquisition according to selectable criteria (timer, counter, equilibrium)
- allocation of image data to sorption data
- optional image labelling with sorption data
- Excel report with hyperlinks to the corresponding image files

### Compatibility

the imaging system is available for the following SPS instruments:

SPS11-10µ, SPSx-1µ-High-Load, SPSx-1µ-Advance

