

SHSCam – standard sensor head overview

| Type | AR-S | AR2 | HR2 | SHR-S | SHR4 | UHR3 | XHR2** |
|---|--------------------|--------------------|--------------------------------------|--|--------------------------------------|----------------|----------------|
| Detection area / mm ² | 4.8 x 3.6 | 4.8 x 3.6 | 11.2 x 7.0 | 10.3 x 8.5 | 10.3 x 10.3 | 15.2 x 15.2 | 36.4 x 27.6 |
| Lateral resolution(s) / microlenses | 32 x 24 37 x 28 | 43 x 32 71 x 53 | 85 x 53 125 x 79 | 69 x 57 | 79 x 79 117 x 117 | 117 x 117 | 331 x 251 |
| Greyscales / Bit | 12 | 12 | 12 | 8 | 12 | 12 | 12 |
| Camera Bus | GigE | GigE | GigE/USB3.0 | CameraLink | GigE/USB3.0 | GigE | GigE |
| Sensor head dimensions (L x W x H) / mm ³ | 64 x 36 x 36 | 64 x 36 x 36 | GE: 65 x 29 x 29 U3: 53 x 29 x 29 | 55 x 60 x 60 | GE: 65 x 29 x 29 U3: 53 x 29 x 29 | 52.5 x 58 x 58 | 59.2 x 60 x 60 |
| Weight / kg | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.25 | 0.32 |
| Evaluation Rate (typical) / Hz | 50 | 30 | 20 14 | 30 Full Frame, >1000 on central ROI* | 3 | 7 | ~1 |

* For evaluation with DLL-based software

** Wavelength range 375 – 900nm

- Default optimization wavelength for standard sensors is 635nm. Others from 405 – 1064nm are available. For optimization wavelengths in the UV range please ask.
- Recommended wavelength range for high precision measurements is optimization wavelength +/- 10%. Usable wavelength range is 405 – 1064nm.