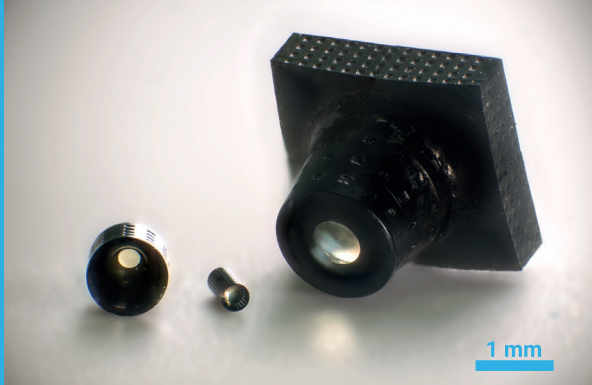


3D PRINTED MICRO OBJECTIVE LENSES

Custom all-aspheric imaging objectives in the smallest possible form factors



Perfectly aligned all-freeform lens stacks

Our entirely new approach to lens fabrication leads you to optical solutions that were previously unthinkable.

Shortest development cycles thanks to 3D Printing

- First prototypes in two weeks.
- Ramp up to series production within one month.

Key Features



Size ranges from 100 μm to 5 mm, very short variants possible.



Direct integration of black apertures and baffles, custom geometry adaptations.



Freeform surfaces that are inherently alignment free.
Field of view range: 10° - 160° .



Biocompatible polymers that are longterm stable, autoclavable and highly transparent.



Surface roughness <10 nm RMS.
Shape errors $<\text{diameter}/1000$.



Printing on sensors with <1 μm alignment precision in x, y, and z.



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