

sinaSCOPE Dental

This special version of sinaSCOPE is designed for use in dental laboratories. It provides lighting for and access to the magnified object (zoom factor 6× to 30×). The camera heads are positioned 43 cm above the object so that no device parts get in the way. The system delivers a 3D image in 4K UHD resolution with low latency.

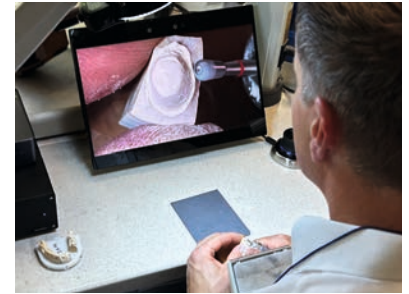


- + 3D live image without glasses
- + Razor-sharp 4K UHD resolution
- + Object remains freely accessible
- + Object and 3D display in direct view

Use Case

Microscope for dental laboratories.

- + Grinding
- + Quality management
- + Documentation
- + Training



System Key Aspects

Camera & Display Resolution	4K UHD (3840 × 2160 pixels)
Frame Rate	60 fps
Latency (Camera to Display)	100 ms typ.
Zoom	6× to 30×

System Components

Image Processing Electronics	sinaSCOPE Control Compact Mini PC with Solectrix proFRAME PCIe board
Camera Heads	Solectrix SXC5 twin camera heads
Display	Solectrix SXD2 autostereoscopic 15.6" 4K display with protective coating
Software	SX Camera ISP, SX 3D Analyzer, SX Monitor License
Included Accessories	Microscope stand with LED ring light Monitor stand HDMI cable, USB cables 3Dconnexion SpaceMouse

Developed by Solectrix GmbH

Since 2005, Solectrix has been successful as a reliable and innovative partner in image processing at the highest level. Based in the Nuremberg/Fürth/Erlangen area, the design house for embedded systems with its over 150 employees became known for its significant contribution to the ARRI ALEXA, the most popular digital camera for big Hollywood productions, and its own 3D camera system sinaCAM, which was used in numerous TV productions and commercials to achieve unique 3D image quality.

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