sinaSCOPE Upgrade Pro

The fully equipped digital upgrade: With sinaSCOPE Upgrade Pro, all optical, eyepiece-based stereo microscopes can be expanded to a digital microscope with two 4K cameras and a 3D monitor, with minimized latency and dual-screen support.

Applications

Ideal as an ergonomic work microscope for, e.g., assembly, repair, and testing in microelectronics, precision engineering, lab work, and quality assurance—also suitable for use in research and education.

MADE IN GERMANY

sinaSCOPE Upgrade Pro Advantages

+ 3D live image with depth information, no 3D glasses required
+ View objects comfortably on a large 4K monitor instead of through eyepieces
+ Ergonomic working, head remains free to move
+ Simplified documentation with 3D photos at the touch of a button
+ Powerful desktop PC for particularly low latency (65 ms)
+ Supports second screen (with 3D glasses), ideal for training, for example

System Key Aspects	
Camera & Display Resolution	4K UHD (3840 × 2160 pixels)
Frame Rate	60 fps
Latency (Camera to Display)	65 ms typ.

System Components	
Image Processing Electronics	sinaSCOPE Control PC – high-performance desktop PC with especially low latency and two monitor outputs
Camera Heads	2× Solectrix SXC4 miniature camera head
Display	Solectrix SXD2 autostereoscopic 15.6" 4K display
Software	SX Camera ISP, SX 3D Analyzer, SX Monitor License
Included Accessories	Camera adapter for connection to microscope, flexible monitor stand, HDMI cable, USB cable, 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.