sinaSCOPE
Digital 3D Microscopy Systems

solectrix
high end electronics solutions

Datasheet

sinaSCOPE Basic

The smart entry point: sinaSCOPE Basic is a digital 3D microscope that captures viewed objects with two 4K cameras and displays them on a 3D monitor.

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 Basic Advantages

+ 3D live image with depth information, no 3D glasses required
+ View objects comfortably on a large 4K monitor
+ Ergonomic working thanks to a large work surface, allowing the head to remain free to move
+ Simplified documentation with 3D photos at the touch of a button
+ Seamless hand-eye interaction for precise work

System Key Aspects	
Camera & Display Resolution	4K UHD (3840 × 2160 pixels)
Frame Rate	60 fps
Latency (Camera to Display)	100 ms typ.
Zoom	7× to 36×
Field of View	47 mm × 26.5 mm (with default 50-mm lenses)

System Components	
Image Processing Electronics	sinaSCOPE Control Compact Space-saving mini PC
Camera Heads	Solectrix SXC5 twin camera heads
Display	Solectrix SXD2 autostereoscopic 15.6" 4K display
Software	SX Camera ISP, SX 3D Analyzer, SX Monitor License
Included Accessories	Simple microscope stand with base, attachable LED ring light, monitor stand, HDMI cable, USB cables, wireless keyboard and mouse

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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