sinaSCOPE
sina
Digital 3D Microscopy Systems

solectrix
high end electronics solutions

Datasheet

sinaSCOPE Complete Pro

sinaSCOPE Complete Pro is a digital 3D microscope that captures viewed objects with two 4K cameras and displays them on a 3D monitor. The Pro model excels 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 Complete Pro 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
+ Powerful desktop PC for particularly low latency (65 ms)
+ Supports second screen (with 3D glasses), ideal for training courses, for example

System Key Aspects	
Camera & Display Resolution	4K UHD (3840 × 2160 pixels)
Frame Rate	60 fps
Latency (Camera to Display)	65 ms typ.
Zoom	7× to 36×
Field of View	47 cm × 26.5 cm (with default 50-mm lenses)

System Components	
Image Processing Electronics	sinaSCOPE Control PC – high-performance desktop PC with especially low latency and two monitor outputs
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	Comfortable 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.