# SCUBE® – THE ULTIMATE SCANNING SOLUTION

**Fraunhofer Institute for Integrated Circuits IIS**

**Director**
Prof. Dr.-Ing. Albert Heuberger

Am Wolfsmantel 33
91058 Erlangen, Germany

**Department of Image Processing and Medical Engineering BMT**
Dipl.-Inf. Christian Weigand

Contact
Dr. Christian Münzenmayer
Phone +49 9131 776-7310
Fax +49 9131 776-7309
christian.muenzenmayer@
iis.fraunhofer.de

www.iis.fraunhofer.de/med

SCube® is the ultimate scanning solution for brightfield microscopy. The system can easily be integrated into your application.
A wide range of objectives makes the system customizable to your needs. The provided SCube® scanning software allows an easy way of scanning your slides in different resolutions. Slide-loading is realized via cassettes that can carry up to ten slides of a standard size of 25x76mm. With an optional cassette feeding module the system can be expanded to realize a continuous throughput of up to 200 slides. The open software development kit (SDK) allows an easy access to all functionalities of the system and makes it easy to integrate SCube® into your own applications. The development of a complete scanning solution has never been that easy. SCube® enables the rapid development of OEM solutions for many different applications.

If you have further questions on the customization of SCube® for your application, feel free to contact us.

**Advantages**

– SDK for easy integration in your application
– Image processing and auto-focus methods provided
– Easy to use scanning software included
– Small dimensions (WxDxH) 380 x 400 x 440 mm
– Automatic slide loading
– Automatic oil dispensing
– Automatic slide identification
– Customizable components
– Modular concept for easy service
– Premium optical components for high image quality

**System Components**

– SCube® scanning software
– 5 Megapixel CMOS color camera
– LED illumination
– Up to three objectives on changer unit
– 1D and 2D barcode reader
– Oil-dispensing unit
– C++ software development kit
– Cassettes for ten slides (25 x76mm)
– Optional cassette feeder (up to 200 slides)