



**EVIDENT Europe
GmbH**

ABOUT

For over 100 years as Olympus, we set the industry standard for optical precision in microscopy, helping the world see what was once out of view. Today, as Evident, we continue to help scientists, physicians, and engineers illuminate the unseen with advanced imaging solutions that combine renowned optics with cutting-edge digital innovation.

Our life science portfolio supports research, clinical diagnostics, and education, offering a comprehensive range of imaging methods from essential brightfield and darkfield microscopy to advanced fluorescence, 4D analysis, and digital pathology. In industrial microscopy, we deliver precision and flexibility through laser scanning, digital, and semiconductor microscopes designed for tasks ranging from routine inspection to intricate quality control and manufacturing analysis.

Whether advancing new therapies, ensuring product integrity, or exploring the unknown, Evident is defining a new era of discovery with easy-to-use tools that help unlock hidden answers and empower exciting new breakthroughs.

Evident is headquartered in Tokyo and supported by R&D and manufacturing centers in Japan, the United States, Germany, and China, with operations and dedicated sales and service centers around the world. For more information, visit [EvidentScientific.com](https://www.evidentscientific.com).

On our booth we will show SLIDEVIEW VS200 Universal Whole Slide Imaging Scanner with VS-SILA.

The VS-SILA (speckle illumination acquisition) optical sectioning device easily integrates into your [VS200 system](#) and software.

Speckles are used to obtain high-contrast images, removing out-of-focus light to deliver sharp images, especially from thick samples. The image is computed during the scan, and there's no need for post-processing, so the device has a minimal impact on acquisition speed.



Daniel Göttel – Imaging Specialist at EVIDENT Europe GmbH

VS200 SLIDEVIEW with optical sectioning now even more versatile

EVIDENT presents the VS200 SLIDEVIEW Slide Scanner with new soft- and hardware features making this slide scanner even more versatile.

The SLIDEVIEW VS200 (by Olympus / Evident) is a high-throughput, automated slide scanner with up to 210 slides capacity designed for digital pathology and life-science research. It produces high-quality virtual slide images suitable for quantitative image analysis in applications such as brain, cancer, stem cell, and drug discovery research.

The scanner supports five imaging modalities: brightfield, fluorescence, darkfield, phase contrast, and simple polarization and users can mix and match these modes for a given sample to reveal features that may only be visible under certain conditions.

It offers optional optical sectioning via the VS-SILA module (Speckle Illumination Acquisition) to reduce out-of-focus blur and enhance contrast in thicker samples now with 6 instead of 4 possible laser lines.

It uses a combination of speckle illumination and HiLo microscopy principles: the system acquires two images under different illumination patterns and then computationally combines them to reject background light and emphasize in-focus structures.

The result is an image that resembles confocal-like sectioning, improving contrast and clarity in deeper layers of a sample. The system has been demonstrated to handle thick samples ($\geq 300\ \mu\text{m}$) and, in testing, even up to $\sim 500\ \mu\text{m}$ depth.

Deep learning algorithms (TruAI) can be used to detect regions of interest, skip irrelevant areas, and optimize scanning as well as simplify analysis.

EVIDENT also introduces the new VS-DULA (Dual Lightsource Adapter) for the VS200 to combine Laser-based excitation with multi-channel LED illumination to be even more flexible with the selection of fluorophores and scan modalities.