

SV-1c

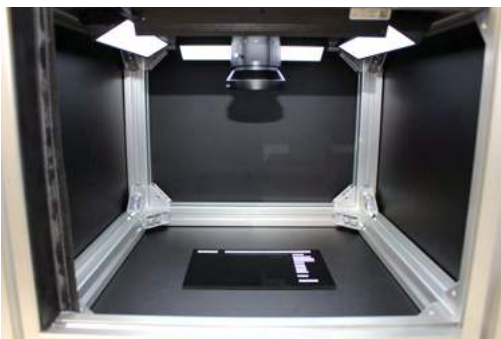
Scar Vision Viewer

AI camera to image “scratch resistance (scratch characteristics)”. Accurate detection of scratches even with dirt or oil on them. Evaluation of hard-to-see flaws can measure.

“Load-increasing scratch test” standardized in ASTM and ISO* can be performed.

AI camera for scratch tester. In addition to scratching with a scratch tester, more accurate testing can be done by imaging the scratch resistance. *ASTM: D7027-05 / ISO: 19252

Example of an imaging sample Glass, Resin, Film, Leather



▲Image during shooting

FEATURES

● Imaging with AI Using the Photometric Stereo Method

Our original algorithm solves the problem that only normal AI-based visual inspection alone cannot detect scratches due to dirt and oil on the surface of the object to be evaluated.

● Accurate visualization of scratches with high-quality algorithms

Computer-controlled lighting enables more diverse image capture. Imaging of 3D shapes by minimizing the effect of surface textures as much as possible.

● Easy-to-understand and simple operability

The pre-shooting setting is only for adjusting the brightness. After that, simply press the REC button. Easy operation without instruction manual. By fine-tuning the parameters of the algorithm, settings specific to each work item can also be made.

SYSTEM CONFIGURATION DIAGRAM



VARIOUS SHOOTING OPTIONS

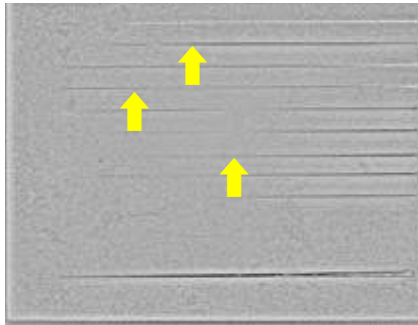
- Adjusting brightness
- Parameter setting (up to Pattern 9)
- 2-tone setting
- Threshold adjustment of the boundary
- Ruler setting (accurate length can be measured on the screen)

■ Sample Shooting Software Screens

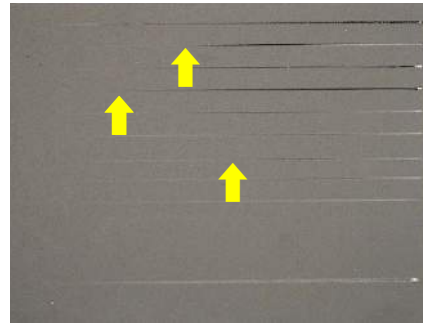


▲ Ruler setting

CAPTURED IMAGE



SV-1c



Normal shooting

SV-1c Scar Vision Viewer

Dimensions/Weight (approx.)	W370 × D410 × H420 (mm) / 14 kg
Power source	100VAC, power consumption: 1.5A Max
Image area size	W300 × D238 (mm)
Sample size	300 × 300mm (max.)

Camera specifications	Interface: USB3.0 Resolution: 5472 × 3648 pixels Image pickup device: 1" CMOS IMX183 sensor
Lens specifications	Lens size: 57.5 mm Focal length: 8 mm

⚠ Precaution For safety use, please read the operation manual / the instruction carefully and thoroughly before using the tester.

Specification details recorded here are subject to change without notice. We appreciate your understanding.

This product has been developed in collaboration with RUTILEA, a start-up company from Kyoto University.

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