

Trinocular Stereo Microscope Regula 5003



The device is intended for advanced authenticity verification of passports, ID cards, travel documents, visa stamps and seals, including but not limited to entry permits, driving licences, vehicle registration certificates and other vehicle related documents, banknotes, revenue and special stamps, securities and other documents with security features.

The microscope enables to conduct the following types of expertise: dactyloscopic, handwriting and forensic.

The microscope is constructed in metal body and intended for desktop use. Switching the modes of operation, focusing and changing the magnification is operated by the controls located at the front and side parts of the device. It can be equipped with different complexes of white light with variable intensity control: ring, transmitted, direct. Regula 5003 allows you to display the zoomed image of the investigated object on the screen of the monitor using Regula Forensic Studio software. The microscope enables to perform additional visual control using eyepieces: 10 or 30 times magnification.

Functionality

- Examination of security features in banknotes and travel documents in the mode of live video
- The microscope is based on the Greenough optical system which allows obtaining stereo images of examination objects
- Smooth magnification adjustment
- Coarse and fine focus adjustment
- Additional optical path for the digital video camera
- Document clamps

Light complexes with variable intensity control

1. Ring. The ring light complex is used to examine objects under shadowless illumination of white light.
2. Transmitted (optional). The transmitted light complex is used to detect watermarks, security threads and fibers, see-through register, continuous printing and to reveal document alterations such as erasure, etching and washing-off.
3. Gooseneck (optional). The gooseneck light complex is intended for surface microrelief examination.

Application

- Border control and immigration services
- Customs authorities
- Law-enforcement agencies
- Forensic laboratories
- Financial institutions
- Other agencies and organizations authorized to check documents

Delivery set

- Regula Forensic Studio software intended for capturing, processing and storing images of examined objects
- Eyepieces:
 - 10X
 - 30X
 - 10X with a measuring scale