

Technical Specification 5001MK

Item	Specification
1.	DEVICE TYPE
	Microscope for forensic examination of questioned documents. The device is intended for advanced authenticity verification of passports, ID cards, travel documents, passport stamps, banknotes, driving licences, vehicle registration certificates and other vehicle related documents, signatures and handwriting fragments, paintings, revenue stamps and other security documents.
2.	GENERAL
	• Device size: $\leq 450 \times 450 \times 600$ • Weight: ≤ 25 kg • PC interface: USB 2.0 • Eyepiece and digital channels
3.	MAGNIFICATION
	Eyepiece maximum magnification: $\geq \times 95$ Digital channel magnification on 21" monitor: $\geq \times 250$
4.	VIDEO CAMERA
	• Type — CMOS, colored • Effective pixels: ≥ 3 Mp • Maximum frame size, pixels: 2048×1536
5.	LIGHT SOURCES
	All light sources are LEDs with brightness control Incident • UV 365 nm • IR 870 nm • IR 950 nm • White Visible • 455 nm • 470 nm • 505 nm • 530 nm • 590 nm • 627 nm Transmitted: • UV 365 nm • White Visible • Infrared broadband Oblique: • White Visible (4 sources from different sides) • IR (4 sources from different sides) Other: • White ring ≥ 35 pcs • IR 870 nm ring ≥ 35 pcs

6.	CAMERA FILTERS
	• bandpass — 420–1100 • IR low-pass — 700 • IR high-pass — 650 • IR high-pass — 670 • IR high-pass — 700
7.	SUPORTED OPERATION SYSTEMS
	• Windows 10 32/64 bits • Windows 7 32/64 bits
8.	WARRANTY AND AFTER SALES SERVICE
	• Warranty period - five (5) years from commissioning; • All warranty servicing expenses will be borne exclusively by the Supplier, including transportation of the equipment to and from the service center, if required; • Supply of a prototype equipment upon request.
9.	CERTIFICATES AND STANDARDS
	• ISO 9001 • CE • Operating manual are provided in Romanian, English and Russian

Signed: _____

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