BRAND NEW!

PAPILLON DS-45M

Fingerprint&Palmprint Scanner

PAPILLON's optical fingerprint and palmprint scanner, the DS-45M, is designed for capturing forensic quality rolled and flat finger impressions and palmprints including writer's palms.

The DS-45M uses the optical technology that enables producing high-quality images even of moist hands.

Enlarged to 132x130 mm, the scanning area meets the standard set down by the FBI for palmprint live scan devices.

The DS-45M enables the synchronous capture of both thumbs taken flat, and the extraction of single finger impressions from slaps taken according to the "4+4+2" pattern as it is accepted in biometric passport projects by many countries.

The DS-45M is equipped with a built-in color LCD display for easy control on the scanning process and for immediate notification of the operator of the following:

- capture sequence
- live video of the scanned print helping the operator control the process
- information on the image quality acquired and error messages

The DS-45M is a modification of the DS-45 scanner certified by the USA FBI in February 2010, distinguishing from its predecessor by the built-in LCD only.

Key Specifications:

- Resolution — 500 ppi
- Sensing area — 132x130 mm
- Forensic-quality image capture for rolled and plain finger impressions and palmprints
- Automatic slap-to-roll control
- Moisture discriminating optics
- Automatic detection of a finger on the scanner platen
- Live video of the scanning process
- Automatic control of the image quality
- Automatic change to the next finger
- Embedded keypad
- LCD color display
- USB 2.0 interfacec
- Windows or Linux operating system

New series of PAPILLON fingerprint/palmprint scanners

PAPILLON SYSTEMS

Basic Features	Resolution of Resulting Images	500 ppi
	Dynamic Range	8 bpp
	Signal–To–Noise Ratio	Minimum: 40db
	Sensing Area	Single platen for taking rolled/plain fingerprints and palmprints
	Scan Area	132 x 130 mm
	Image Area: – Rolled Fingerprints – Slap (4 fingers) – Slap (thumb) – Palmprints	42 x 41 mm 132 x 130 mm 42 x 41 mm 132 x 130 mm
	Time for scanning	<5 seconds for rolls, <3 seconds for slaps/palmprints
	Image Compression Method	WSQ – compression (Maximum: 1:15)
	Image Quality	Complies with FBI's IAFIS Image Quality Specification: CJIS-TD-0110; CJIS-RS-0010 (v7) app. F, Under certification
	Interface	USB 2.0 (480 Mbit/sec)
	Power Supply	12 V (adapter ~220 V, 50 Hz)
	Power Input	Maximum: 12 Watt
	Scanner Dimensions (W x D x H)	240 x 405 x 135 mm
	Scanner Weight	Maximum: 10 kg
Capabilities	Automatic Finger Detection	Available
	Visual Control	Available
	Quality Check	Available. The system issues a message regarding the quality of images.
	Slap-To-Roll Checking	Available. The system informs about errors.
	Automatic Moving–on to a Next Finger	Available, if the image quality is good.
	Self-contained Control Board	Available
	LCD Monitor: – Display Type – Image Resolution	Color TFT 480 x 272 pixels
Software	Operating Systems	Windows® 2000™/XP™/Vista™, Linux®
	Application Software	The PAPILLON Live Scanner system is applicable for: • Fingerprinting a subject • Inputting and saving text data and fingerprints in a file on the computer memory (HDD) • Saving photo images of a person fingerprinted • Printing ten–prints in a standard form • Adjusting a print form and choosing resolution: 600 or 1200 dpi • Transferring ten–print cards into AFIS • Exporting files in the following formats: a) International data exchange format ANSI/NIST-ITL 1-2007: – FBI CJIS-RS-0010 (v.7); – INTERPOL (INT-I) (v.4), November 19, 2002; b) Data exchange format of the Ministry of Interior of Russia (RUS-I V2.00) *Optionally, the PAPILLON-FILTER Express Checking Program can be supplied.