

# BRAND NEW!

## PAPILLON DS-45

Fingerprint & Palmprint  
Scanner



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

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

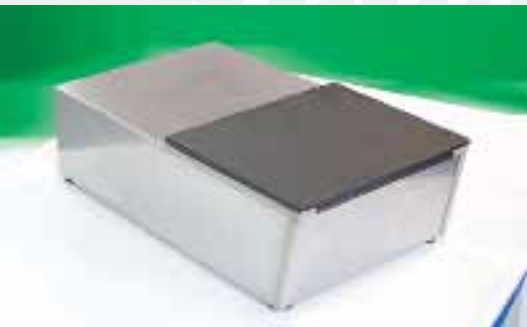
**Enlarged to 132x130 mm, the scanning area meets the standard set down by the FBI for palmprint live scan devices.**

The DS-45 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-45 livescan fingerprint device was certified in the FBI (USA) in February 2010.

### 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
- USB 2.0 interface
- Windows or Linux operating system



New series of PAPILLON fingerprint/palmprint scanners



<b>Resolution of Resulting Images</b>	500 ppi
<b>Dynamic Range</b>	8 bpp
<b>Signal-To-Noise Ratio</b>	Minimum: 40db
<b>Sensing Area</b>	Single platen for taking rolled/plain fingerprints and palmprints
<b>Scan Area</b>	132 x 130 mm
<b>Image Area:</b> – Rolled Fingerprints – Slap (4 fingers) – Slap (thumb) – Palmprints	42 x 41 mm 132 x 130 mm 42 x 41 mm 132 x 130 mm
<b>Time for scanning</b>	<5 seconds for rolls, <3 seconds for slaps/palmprints
<b>Image Compression Method</b>	WSQ – compression (Maximum: 1:15)
<b>Image Quality</b>	Complies with FBI's IAFIS Image Quality Specification: CJIS-TD-0110; CJIS-RS-0010 (v7) app. F, certified in February, 2010
<b>Interface</b>	USB 2.0 (480 Mbit/sec)
<b>Power Supply</b>	12 V (adapter ~220 V, 50 Hz)
<b>Power Input</b>	Maximum: 12 Watt
<b>Scanner Dimensions (W x D x H)</b>	240 x 405 x 135 mm
<b>Scanner Weight</b>	Maximum: 10 kg
<b>Automatic Finger Detection</b>	Available
<b>Visual Control</b>	Available
<b>Quality Check</b>	Available. The system issues a message regarding the quality of images.
<b>Slap-To-Roll Checking</b>	Available. The system informs about errors.
<b>Automatic Moving-on to a Next Finger</b>	Available, if the image quality is good.
<b>Self-contained Control Board</b>	Available
<b>LCD Monitor:</b> – Display Type – Image Resolution	—
<b>Operating Systems</b>	Windows® 2000™/XP™/Vista™, Linux®
<b>Application Software</b>	<p>The PAPILLON Live Scanner system is applicable for:</p> <ul style="list-style-type: none"> <li>• Fingerprinting a subject</li> <li>• Inputting and saving text data and fingerprints in a file on the computer memory (HDD)</li> <li>• Saving photo images of a person fingerprinted</li> <li>• Printing ten-prints in a standard form</li> <li>• Adjusting a print form and choosing resolution: 600 or 1200 dpi</li> <li>• Transferring ten-print cards into AFIS</li> <li>• Exporting files in the following formats: <ul style="list-style-type: none"> <li>a) International data exchange format ANSI/NIST-ITL 1-2007: <ul style="list-style-type: none"> <li>– FBI CJIS-RS-0010 (v.7);</li> <li>– INTERPOL (INT-I) (v.4), November 19, 2002;</li> </ul> </li> <li>b) Data exchange format of the Ministry of Interior of Russia (RUS-I V2.00)</li> </ul> </li> </ul> <p>*Optionally, the PAPILLON-FILTER Express Checking Program can be supplied.</p>