

# BRAND NEW!

## PAPILLON DS-30NM Livescan Fingerprint Device



The **DS-30NM** is a forensic quality fingerprint scanner manufactured as a separate optical unit driven by a backbone computer (including a notebook).

The **DS-30NM** provides an effective way of capturing rolled and plain fingerprints (rolls and slaps).

**The DS-30NM uses the optical technology that enables producing high quality fingerprint images even of moist fingers.**

The **DS-30NM** supplies the ability to capture the plain impressions of both thumbs taken together.

The **DS-30NM** 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-30NM** is provided with a color LCD display for live video of the scanned finger. Displayed on the monitor are the following images:

- Sequence of rolling
- Image of the finger being rolled on the platen to help the user check the quality
- Quality rating and error messages

### Key Specifications:

- Resolution for fingerse — 500 ppi
  - Sensing area — 86x78 mm
- Capture of rolled and plain fingerprints
  - Automatic slap-to-roll comparison
    - Moisture discriminating optics
      - Automatic finger detection
    - Live video of the scanned finger
      - Automatic quality check
  - Automatic sensing and “gripping”
    - Self-contained control board
      - LCD—display
      - USB 2.0 interface
- Operating system: Windows® and Linux®



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>	1 platen for rolling and taking plain impressions of finger
<b>Scan Area</b>	86 x 78 mm
<b>Image Area:</b> – Rolled – Slap (4 fingers) – Slap (thumb)	45 x 40 mm 86 x 78 mm 45 x 40 mm
<b>Time for Scanning a Fingerprint</b>	Maximum 4 seconds (for slaps – 2,5 seconds)
<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, In preparation for certification
<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: 5 Watt
<b>Scanner Size (W x D x H)</b>	137 x 307 x 107 mm
<b>Scanner Weight</b>	Maximum: 4 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 rolled and plain fingerprint images
<b>Automatic Change to the Next Finger</b>	Available. If the image quality is good, the system offers to scan the next finger
<b>Self-contained Control Board</b>	Available
<b>LCD display:</b> – Display Type – Image Resolution	Color TFT 480 x 272 pixels
<b>Operating Systems</b>	OS Windows®, Linux®
<b>Application Software</b>	<p>The PAPILLON Live Scanner system 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:             <ol 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> </ol> </li> </ul> <p>*Optionally, the PAPILLON-FILTER Express Checking Program</p>