

Fingerprint Scanner DS–22N

The DS-22N scanner is made as a separate optical unit controlled by a base computer.

The housing is made of impact-resistant plastic.

The scanner is intended for flat rolling of fingerprints and capturing fingerprint impressions.

The use of the scanner ensures obtaining high-quality fingerprints even for “problem” hands – wet, excessively dry, with erased or naturally low-relief papillary lines.

The scanner was certified by the FBI in 2015.

In software and technical products offered by PAPILLON JSC, the scanner operates under the PAPILLON software.

For integration of the scanner into third-party systems, the PAPILLON-DS SDK library was developed.

CHARACTERISTICS

- Base computer requirements: RAM not less than 512 MB - Final image resolution: 500 ppi - Dynamic range: 8 bpp - Signal-to-noise ratio: not less than 40 dB - Sensitive area size: 42 x 40 mm - Interface: USB 2.0 (480 Mbit/s) - Power consumption: not more than 2.5 W - Generated images: Rolled fingerprints, flat fingerprint impressions - Image size (max): 42 x 40 mm - Prism elastic coating: Available, replaceable - Image quality: * Meets FBI IAFIS Image Quality Specification, app. F (not subject to certification by scanning window size) * Meets FBI “IAFIS IQS EBTS Appendix F Mobile ID FAP 45” - Power supply: 5 V (USB) - Dimensions (W x D x H): 88 x 192 x 60 mm - Weight: not more than 0.95 kg

Software (SW): - PAPILLON “Live Scanner” (Windows OS, Linux OS) - PAPILLON “Filter” (Windows OS, Linux OS) - PAPILLON-DS SDK (Windows OS, Linux OS)

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