

## DS-21C Fingerprint Scanner



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The DS-21C is a forensic quality fingerprint scanner manufactured as a separate optical unit driven by a backbone computer (including a notebook).

The DS-21C provides an effective way of capturing clear and easily classifiable live touch-fingerprints.

The DS-21C is designed for the growing needs in the personal identity check application area (access control systems, background checks, biometric passports, etc.).

The DS-21C uses the optical technology that enables producing high quality fingerprint images even of moist fingers.

An SDK Papillon will be provided allowing the DS-21C to be rapidly integrated into various personal identification and access control systems.



### Technical Features

Resolution of resulting images	500 ppi
Dynamic Range	8 bpp
Signal-To-Noise Ratio	Minimum: 40 db
Sensing Area	Touch-fingerprint platen
Scan Area	20 x 20 mm
Image Area (Maximum)	20 x 20 mm
Time for scanning a fingerprint	Maximum 2,5 seconds
Image Compression Method	WSQ – compression (Maximum: 1:15)
Image Quality	Complies with FBI's "Image Quality Specification for Single Finger Capture Devices", CJIS-Division, v. 71006, 10 July 2006, In preparation for certification
Elastic Coating (Membrane)	Yes
Moisture Discriminating Optics	Yes
Fake Finger Detection	Yes
Interface	USB 2.0 (480 Mbit/sec)
Power Supply	5 B (USB)
Power Input	Maximum: 1 Watt
Scanner Size (W x D x H)	53 x 110 x 30 mm
Scanner Weight	Maximum: 0,17 kg
Operating Systems	Windows, Linux