

DERMALOG

Fingerprint Scanner ZF 10

Best-value fingerprint identification.



Outstanding Features

- > Space saving dimensions of 6 inch footprint
- > Liveness detection to prevent attacks using fake fingers
- > Automatic Fingerprint Segmentation

Key Benefit

The best-value plain tenprint, single print and rolled fingerprint scanner.

DERMALOG ZF10 – unchallenged image quality – way ahead of its time.

The trustable solution for a large scale fingerprint identification system.

The ZF10 is suitable for use in various environments and applications including border control, electronic ID and passport issuing as well as voters registration and verification. Moreover it can be used for security documents, such as visa. A large scanning window assures easy to process images. Latest optics guarantee the best possible image quality for plain ten-prints and single prints as well as for rolled fingerprints.

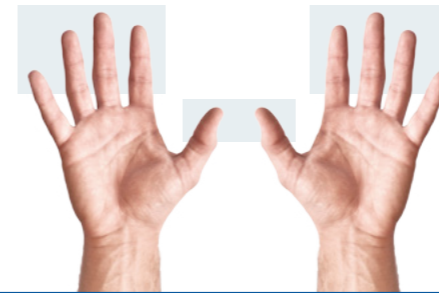
Product Features

- > Excellent quality for both moist and dry fingerprints
- > Robust against disturbing light sources
- > High quality fingerprint images - no reference images required
- > Liveness detection to prevent attacks using fake fingers (optional purchase)
- > Automatic Fingerprint Segmentation
- > Capturing of plain tenprints and singleprints as well as rolled fingerprints
- > Dimensions of 152 mm x 152,1 mm x 145,6 mm (6 inch)



Fingerprints

The optical scanner provides a 500 dpi fingerprint image (FBI EBTS Appendix F certification). Due to the automated fingerprint optimisation results will be fully applicable even in poor conditions (dry fingerprints).



Ten Fingerprint Capturing

ZF10 provides a feature of collecting an individual's ten fingerprints by using the 4-4-2 method. Ensuring crystal-clear images, the device delivers excellent data quality for further processing. More combinations possible, such as 4-2-4 and 2-4-4.



Rolled Fingerprints

Mainly needed for criminal investigation capturing rolled fingerprints do not set a difficult challenge for Fingerprint Scanner ZF10. The captured single pictures result into image data ready to use for professional demands. Marked areas show the optimal spot for roll finger capturing.



Liveness Detection

High security will be ensured by using the latest liveness detection technology. Exclusive security features detect fake fingerprints or manipulation.

Specifications Fingerprint Scanner ZF10

Technical Features

Fingerprint scanning window size	89 mm x 85 mm
Optical scanning area	81.3 mm x 76.2 mm
Image resolution	1600 x 1500 pixels, 500 dpi
Capturing	tenprint scanner / 4-4-2 scanner for plain and rolled fingerprints
Bit Depth	8 bit, 256 gray levels
Raw fingerprint image file size	Approx. 2.4 MB
WSQ compressed	Approx. 0.4 MB
Interface	USB 2.0 high-speed with 1.8 meters standard USB cable
Dimensions (H x W x D)	152 mm x 152 mm x 146 mm
Weight (including USB cable)	2.2 kg
Operating temperature	0 °C to +50 °C (32 °F - 122 °F) at a humidity of 5 - 95 % non-condensing
Storage temperature	0 °C to +50 °C (32 °F - 122 °F) at a humidity of 5 - 95 % non-condensing
Light source	Orange
Supply	5 V DC (+/- 0.25 V), 400 mA (USB-powered)
Certificates	CE, FBI Appendix F

SDK Features

Fourprint Segmentation	separation of single fingerprint segments from a fourprint (CAPI and .NET) image
NIST Quality Check	NFIQ 1.0: calculation of the NIST quality from a given image. The quality is calculated in the NRQ range from 1 (good quality) to 5 (bad quality) using the official NIST standard NFIQ 2.0: calculation of the NIST quality from a given image. The quality is calculated in the NRQ range from 100 (good quality) to 0 (bad quality) using the official NIST standard
WSQ Compression	FBI-certified
Operating Systems	Windows, Linux

Head Office

DERMALOG Identification Systems GmbH
Mittelweg 120
20148 Hamburg
Germany

Berlin Office

DERMALOG Identification Systems GmbH
Kronenstrasse 1
10117 Berlin
Germany

Malaysia Office

DERMALOG AFIS Asia Sdn Bhd
8-4, 8th Floor, Bangunan Malaysia RE
No. 17, Lorong Dungun
Damansara Heights
50490 Kuala Lumpur



Philippine Branch Office

DERMALOG Identification Systems GmbH
7/F Unit B 8 Rockwell
Hidalgo Drive, Rockwell Center
Makati City 1210
Philippines

Singapore Office

DERMALOG Singapore Technical Services Pte. Ltd.
Southbank
883 North Bridge Road, #17-02
198785 Singapore



© 2017 All content and images are owned by DERMALOG Identification Systems GmbH and are actively protected by copyright.