



HF-OS3000

Optical Fingerprint Scanner



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The HF-OS3000 is a FAP optical fingerprint scanner from HFSecurity with a frosted metal casing and excellent water and dust resistance; the OS3000 uses optical sensor and also supports ISO and ANSI fingerprint image standards;

the OS3000 is suitable for a variety of applications where fingerprint verification is required, such as military and government fingerprint collection.

Specification

Dimension	86.44 (L) *54 (W) *18 (H) mm
Weight	150g
Operating Temperature	-10°C to +50°C
Working Humidity	20%RH ~ 90%RH
ESD immunity	±8kV contact discharge, ±15kV air discharge
Supply Voltage	DC 5V±5%
Supply Current	≤ 250mA
Platen Ingress Protection	IP54
Durable	It can be used more than 1,000,000 times
Good Anti-static	>15KV, for dry weather

Software

Operating System Environment	Windows, Android, Linux
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Hardware

CPU	200MHz, ARM9
Flash memory	2MB

Interface

Interface	USB Type-A
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Fingerprint Sensor

Sensor Type	Optical sensor
Active Platen Area	21.4 x 26.4mm
Enrollment Time	≤0.5s (collect one image and upload by USB)
Template Standard	Support ISO 19794-4, ANSI 381
Image Size	400*500pixel
Image Resolution	500 DPI
Image Format	WSQ, JPEG2000, RAW, BMP
Grey Scale	8 bit (256 levels)
Compression Ratio	Up to 15:1
Quality Score	NFIQv1.0
Live Finger Detect	Yes

Windows Fingerprint Demo

Provide free fingerprint recognition software demo



- Fingerprint image capture
- Save fingerprint images
- Fingerprint verification
- Fingerprint identification

● We provide fingerprint test demos for Android and Windows operating systems, and Complete source code SDK

freely for further development and integration.

