

BioPalm

Rugged Tenprint and Palm Scanner



BioPalm is the compact and lightest palm scanner fully certified with FBI's IAFIS Appendix-F specification which enables the scanner to deliver reliable and superior image quality and make it the optimal capturing device for criminal enrollment or background check. The BioPalm employs the most advanced optical technology and dedicated special lighting source plus the enhanced fingerprint identification algorithm that allow the high speed finger and palmprint capturing including rolled prints. The integrated automatic capture functionality ensures rapid capturing of high quality image for biometric data collection and eliminates the possible reprint issues.

TECHNICAL SPECIFICATIONS

Image Types	Flats, rolls, 4-fingers slaps, writer's and palm prints
Image Size	Palm prints up to 5.0" x 5.0"
	Flat 4-fingers slaps prints up to 3.2" x 3.0"
	Single rolled finger prints up to 1.6" x 1.5"
Image Resolution	500 dpi, 256 levels of gray
Image Quality	FBI's IAFIS IQS Appendix-F certified
Image Format	BMP, WSQ, ISO/IEC 19794-4, ISO/IEC 19794-2
Acquisition Mode	Auto capture and manual mode
Visual Indicators	Intuitive 3 LED status indicators
Buzzer	On board programmable
Power Supply	100- 220 VAC, 50-60 Hz
Interface	USB 3.0
Weight	3.1 kg
Dimensions	(L*W*H) 259 mm x 166 mm x 128 mm
Operating System	Microsoft Windows family
Software & SDKs	Scan demo, APIs with Java, C#. NET, Web API
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Humidity Range	10% to 90%, non-condensing

KEY FEATURES

- Sliding detection for flat prints capturing
- Latent prints and halo elimination from recent scans
- Automatic device calibration when scanner starts up
- Auto segmentation of slaps into discrete single image
- Automatic sequence and image quality checking
- Correct finger position and slap completeness check
- Auto capture functionality to eliminate reprint issues
- Smart status indicators for intuitive instructions
- Optional prism heater upon customer requirements

USE CASES

- Law enforcement
- Cabinet and Kiosk integration
- Criminal and suspect enrollment
- Background check
- Inmates registration