

# FRO900

## Flat Live Scanner

4-4-2 fingers flat & roll enrollment  
Specific for public security system



Aratek FRO900 is designed to capture single and 10 fingerprints (4-4-2 and rolled fingerprints) with state-of-the-art optical technology and precise image processing technology. FRO900 captures high quality 4 fingerprints image complying with FBI's EBTS/F standard in about 1 second. Besides the 81.20 × 76.20 mm scanning area for flat fingerprints capture, FRO900 also captures fingerprint in a 40.64 × 38.10mm scanning area to create a rolling fingerprint image. The fully programmable LEDs, buttons and acoustic buzzer provide system developers to design an intuitive user interface and experience. All these features make FRO900 the most cost effective and affordable solution for large scale fingerprint identification system.

## Features

- Certification of FBI Appendix F specifications
- IP54 certification, stunning dustproof and waterproof function
- Ergonomic and robust outlook design for harsh environments
- International standard support for FCC, CE, RoHS
- Seamless Aratek TrustLink™ authentication platform access
- Software of Scan Demo, Enrollment Kit, WSQ, NFIQ are available for integration and development
- SDK provided

## Applications

Voter Registration  
Social Welfare  
Driver License

Law Enforcement  
Border Control  
E-passport

# FRO900 Flat Live Scanner



## Physical Parameter

Dimension	152*159*155mm (L*W*H)
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## Performance Parameter

Capture Mode	Optical Press/roll
Platen Size	81.2mm*76.2mm
Sensing Area	Roll : 40.64mm*38.1mm
	Press: 81.2*76.2mm
Fingerprint Image Size	1600*1500 pixel
Image Resolution	500 dpi
Gray Level	256
Fingerprint Image Distortion	≤2%

## Communication Mode

Communication Interface	USB 1.0/2.0
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## Operating Environment

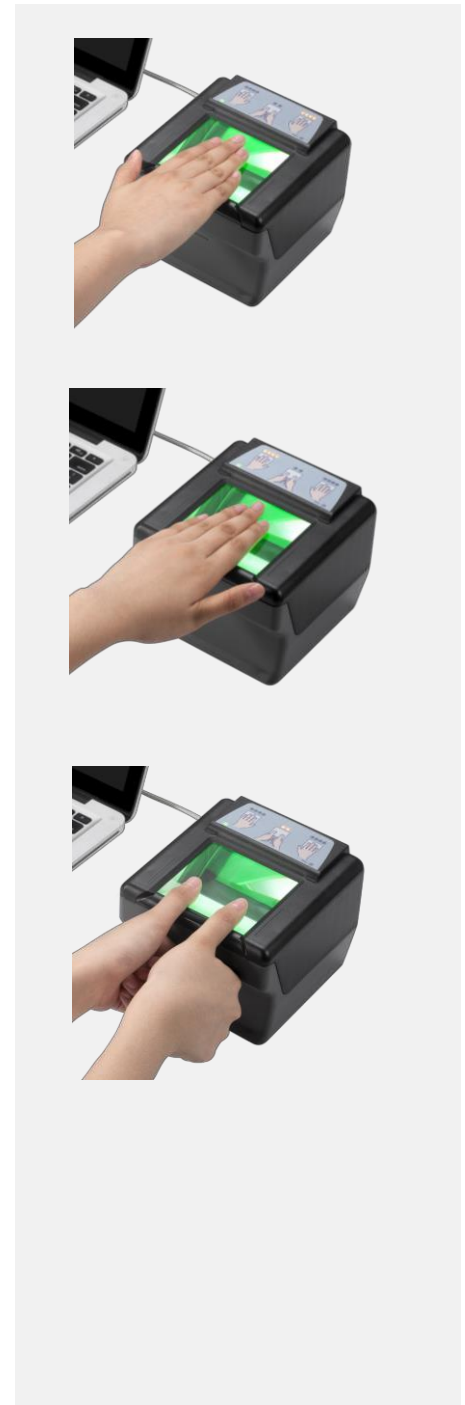
Work Voltage	5.0V ± 5%
Work Current	≤300mA
Temperature	- 10℃ ~ 55℃
Humidity	0~90% R.H

## Standards

FBI IAFIS IQS CJIS-RS-0010 (V7)Appendix F compliance
ANSI/NIST-ITL-1-2007
ANSI/NIST-ITL-2-2008
IAFIS-IC-0110 (V3.1) CJIS-WSQ compression specification
NISTIR7151
ISO/IEC 15444-1:2004 JPEG 2000 image coding system

## Supported OS

Windows XP/2003 (32bit/64bit), Windows Vista/2008 (32 bit/64bit)
Windows 7/8 (32bit/64bit), Linux



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