

# RealScan-FC

Compact Palm & Tenprint Enrollment Scanner



RealScan-FC is an all-in-one palmprint live scanner for capturing various types of fingerprint and palmprint including flats, rolls, palms and writer's palms. Featuring Xperix's cutting-edge optical & biometric technologies, it is capable of capturing the highest quality images regardless of the physical condition of fingers. RealScan-FC also supports user convenient features like voice instruction, foot switch and mobile power supply. With proven reliability of FBI certification, RealScan-FC is designed to provide perfect live scanning solution for various criminal ID applications.

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## Compact Palm & Tenprint Enrollment Scanner



### Hardware Features

- Compact & light weight palm-print scanner
- Embedded DSP for high-speed image processing
- Extra wide active image area for easy capturing
- Built-in speaker for sound & voice instruction
- SuperSpeed USB 3.2 Gen 1 interface
- Plug & Play
- Integrated prism heater
- Mobile operation through car power supply
- FBI IQS Appendix F / Appendix P Standards compliance
- DC12V or USB Power Only

### Software Features

- Image quality check
- Sequence check in rolls and slaps acquisition
- Automatic segmentation of four finger slaps
- Slippage detection for flats and rolls
- Automatic capturing
- Ghost image elimination
- SDK for quick and easy integration into any systems

### Specifications

|                         |                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Fingerprint Types       | Flat (Four/Two/Single) and Rolled (Single) fingers, Upper and Lower palms, Writer's palms                                      |
| Resolution              | 500 ppi                                                                                                                        |
| Platen Size (W x L)     | 131.2 mm x 130.2 mm                                                                                                            |
| Image Size (W x L)      | Palm Prints : 2500 x 2500 pixels<br>Four Finger Slap : 1600 x 1500 pixels<br>Single Flats / Rolls : 800 x 750 pixels           |
| Image Format            | RAW, BMP, WSQ, JPEG2000, ISO19794-4                                                                                            |
| Maximum Capture Area    | 2500 x 2500 pixels                                                                                                             |
| Image Quality Standards | FBI IQS Appendix F / Appendix P                                                                                                |
| Ingress Protection      | IP64                                                                                                                           |
| Operating Temperature   | From -10°C to 55°C                                                                                                             |
| Operating Humidity      | 10% - 90%, non-condensing                                                                                                      |
| Dimension (W x L x H)   | 193 mm x 315 mm x 150 mm                                                                                                       |
| Power Supply            | 12VDC or USB Power                                                                                                             |
| Weight                  | 5.35kg                                                                                                                         |
| Interface               | USB 3.2 Gen 1, USB-C                                                                                                           |
| Operating Systems       | Windows : Windows 10 or higher 32/64 bit<br>Linux : Ubuntu, Debian, Fedora, OpenSUSE, CentOS 32/64bit<br>Android 5.0 or higher |
| Certificate             | FBI, CE, FCC, KC, RoHS, WEEE, REACH, WHQL, UL, BIS                                                                             |
| Accessory               | Foot Switch (Optional)                                                                                                         |



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