

eNBioScan-F

Fingerprint Flat(1.2") Scanner



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eNBioScan-F is the advanced fingerprint Scanner with a large size of fingerprint input window. More accurate fingerprint data can be acquired by widens fingerprint input window compare to an existing device with small-size of fingerprint input window, so it reduces the FAR/FRR rate remarkably. It's the security device that is easy to use and strengthen the reliability which is designed to recognize even humid/wet fingerprints. Also, it's the epochal model for E-Passport related business as it meets for International Standard [FBI, IQS].



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Features / Functions

- Meet International Standard (FBI IQS)
- Excellent abrasion ability (Prism Hardness 7 Moh)
- Reliability Optical design to recognize Wet fingerprint
- Fingerprint data Capture & Real-time image display
- Extract/Match of Minutiae
- Provides device driver & demo program

System Requirements

ITEM	DESCRIPTION
OS	Windows 2000 / XP
SYSTEM	Pentium4 2GHz, 256MB RAM or higher

Specifications

ITEM	SPEC
Interface	USB 2.0 High Speed
Image Area	1.2" x 1.2"
Resolution	500[DPI]
Image Size	600 x 600 pixels
Weight	380g
Size	63(H) x 146(L) x 81(W) (mm)
Humidity	0 ~ 95 %
Temperature	20 ~ 60 [°C]
Voltage	DC 5 [V] (USB Bus Power)
Standard	FBI IQS Appendix F Meet
Certificates	FCC, MIC, CE
Others	Wet fingerprint capture

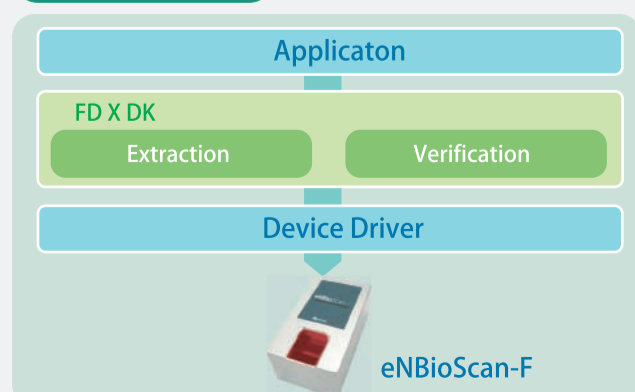
ITEM	VALUATION	CONTENTS
Image Resolution	Meet	Dot Per Inch (DPI)
Geometric Image Accuracy	Meet	Distortion of the Image
MTF	Meet	Sharpness of the Image
Single to Noise Ratio	Meet	Image Signal vs Noise Ratio
Grayscale range of Image data	Meet	Expression of the Color tone of Image
Grayscale Linearity	Meet	Linearity of Brightness
Output gray level uniformity	Meet	Uniformity of Brightness

Development's Kit (Option)

Development's Kit(FDxDK) with in-built superior fingerprint identification algorithm provides the optimal conditions for development of fingerprint identification-related solutions which allows easy and swift implementation of the applications. Also, it supports device control, enrollment/authentication and extract the minutiae of the fingerprint.

System Requirements			
ITEM	DESCRIPTION	ITEM	DESCRIPTION
OS	Windows 98SE, ME, 2000, XP higher	Device	HFDU 05
CPU	Pentium III processor or higher	Interface	USB 2.0

Diagram



Flow

