

vPBW



Vlatacom Portable Biometric Workstation - vPBW

Product Description

The Vlatacom Portable Biometric Workstation is an efficient solution for the acquisition of biometric and demographic data in the process of applications for personal and travel identification documents such as personal ID cards, driver's licenses, medical cards, passports, visas, etc.

The Portable Biometric Workstation consists of a document reader, fingerprint scanner, signature scanner, digital camera for taking facial images, a portable PC, and software which controls all these components and performs the acquisition of demographic data, fingerprints, facial images, and signatures.

Highlights

The workstation is intended for collecting data:

- from people in small settlements where the installation of stationary workstations is not cost-effective
- from people with health problems who cannot come to the office to apply for personal and travel documents
- from VIPs.

The workstation is also used for biometric identity verification by comparing the fingerprints and/or facial images of the client. Such verification is necessary at border crossings, polling stations, entrance gates at major sporting events, during the issue of documents to citizens, etc.

The main advantages of this solution are its robustness, reliability, flexibility, ease of transport, short start-up time (only three minutes) and easy integration into large systems.

The program offers excellent operating speed and reliability. Owing to the installed program modules for quality control of scanned facial images, fingerprints and signatures, it is not possible to accept applications with poor-quality pictures.





Specification

Dimensions:	Width: 452mm Depth: 180mm Height: 378mm
Weight:	14 kg total
Document Reader: VDR-Compact	125mm x 88mm window size 2048 x 1536 pix image size (3.2 Mpix, 24 bits/pixel RGB) 400 dpi image resolution BMP, JPG, TIFF
Illuminations: (VDR-Compact)	- Visible, IR@900nm, UV@365nm - coaxial light (optional)
Processes: (VDR-Compact)	- Image capturing - OCRB - 2D Barcode decoding (PDF417) - Contactless chip reading (ISO/IEC14443A&B) - Data verification - Advanced security features (SAM modules)
Fingerprint scanner:	Single finger or multiple finger scanner configuration 508 dpi finger image resolution 256 level grayscale
Signature scanner: StepOver Natura Pad	102mm x 32mm surface size 900 dpi image resolution 256 level grayscale
Camera:	HD image size (24bits color JPG) Up to 400 ISO sensitivity
Operating temperature:	0 ÷ 40°C
Humidity:	0 ÷ 90%
Power suply:	laptop and camera: 100-240V AC; fingerprint and signature scanner: USB from laptop @ 5V DC
System specs.	Pentium IV with 2GB RAM
Operating system	Windows XP

Collected data is stored on a hard drive in the form of digitally signed and encrypted XML documents, or transmitted on-line via secure wireless communication channels.



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