

e-Passports & Visas

ID Cards

Driver Licenses



Portable Biometric Workstation

Introduction Portable Biometric Workstation is an efficient solution for acquisition of biometric and demographic data in process of citizens' application for personal and travel identification documents, such as personal ID cards, driving licenses, medical cards, passports, visas, etc.

The Station is made of document reader, fingerprint scanner, signature scanner, digital camera for taking facial image, portable PC and the program which controls all stated devices and performs acquisition of demographic data, fingerprints, facial images and signatures.

Software The program works with excellent speed and reliability. Owing to installed program modules for quality control of scanned facial images, fingerprints and signatures, it is not possible to accept applications which have got pictures of bad quality. Collected data are stored on a hard drive as digitally signed and encrypted XML documents, or are transmitted on-line by safe wireless communication channels.

Workstation is intended for collecting data:

- from people in small settlements, where it is not cost-effective to install stationary workstations
- from people with health problems, who can not come to the office for application for personal and travel documents
- from VIP persons.

The Workstation is also used for biometric verification of identity by comparing of fingerprints and/or facial images of the client. These verifications are needed on borders, voting posts, for entrances during big sport events, during issuing of documents to citizens, etc.

Advantages Main advantages of this solution are its robustness, reliability, flexibility, simple transport, short time of initiation (only three minutes) and easy integration into large systems.

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	<ul style="list-style-type: none"> ■ Visible, IR@900nm, UV@365nm ■ coaxial light (optional)
Processes	<ul style="list-style-type: none"> ■ Image capturing ■ OCRB ■ 2D Barcode decoding (PDF417) ■ Contactless chip reading (ISO/IEC14443A&B) ■ Data verification ■ Advanced security features (SAM modules)
Fingerprint scanner: Crossmatch L SCAN 100	31,5mm x 31,5mm capture format 508 dpi image resolution 256 level grayscale
Signature scanner: StepOver Natura Pad	102mm x 32mm surface size 900 dpi image resolution 256 level grayscale
Camera: Canon A640 or later	6 Mpix or higher 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

