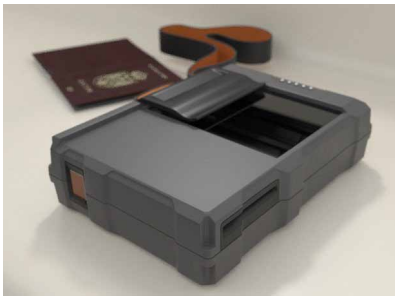
INSTITUTE VLATACOM

VDR-H2



VDR-H2
Handheld Peripheral Document Reader

Description

VDR-H2 is a high security biometric travel and ID document verification device with integrated fingerprint reader for document holder verification. VDR-H2 is the World's first and only handheld peripheral device, which connected to a mobile or desktop host performs as one step, full-page e-document reader with white, IR and UV illumination. This unique peripheral device is built on Vlatacom's proprietary innovative optical scanner technology. VDR-H2 simultaneously scans electronic document optically and reads data from contactless chip. It supports all relevant travel and ID document standards and recommendations, and provides SDK for proprietary software applications. VDR-H2 operates as a peripheral unit connected through the USB interface with mobile or stationary host computer (like tablet, laptop or desktop PC).

Features

- Full page document reading and image capture with white, infrared and ultraviolet illumination, simultaneously with contactless chip data capture
- Automatic detection of ID1, ID2 and ID3 size documents
- Retrieval of information stored in the printed Machine Readable Zone (MRZ) and on the chip embedded in the ID documents (both contact and contactless)
- ICAO LDS data extraction with BAC, EAC, Passive and Active Authentication
- 1D/2D PDF417 barcode decoding (optional)
- Display of retrieved data on a host display
- Automatic detection of document placement, document type and orientation
- Fingerprint capture at a resolution of 500 dpi
- Matching of live-scanned fingerprints and authentication with the data stored on the document (optional)
- Cryptographic protection using Security Access Module (SAM) card (optional)
- Device is connected to the host computer over standard USB2.0 interface and powered by integrated rechargeable battery or AC/DC adapter
- Supported host operating systems: Windows 7, Windows 8, Windows 8, Windows 10
- SDK with compiler independent C language interface

Advantages

VDR-H2 is the world's first and only handheld peripheral, one step, full-page document reader featuring white, IR, and UV illumination. The advantages of this system become even more clear in situations when many ID document holders have to be checked in a small amount of time. Vlatacom's VDR-H2 significantly increases security and efficiency at check points. It was designed with ergonomics being a top priority in order to provide operators with a device that is easy to use and comfortable for all-day activity

Market

The VDR-H2 handheld peripheral document reader is the perfect solution for use at any place where fast and secure identity and travel document checks must be performed.

The most notable examples of VDR-H2 end users are border control and immigration authorities, law enforcement agencies, hotels, casinos, and banks.

Applications

- Fast and secure identity and travel document verification featuring unique triple illumination and simultaneous contactless chip reading
- On the move identity and travel document verification on buses and trains, at seaports, airports, traffic stops, and routine checks
- An efficient solution for long queues at airports
- Fulfills all ICAO recommendations and the latest international travel document standards
- Same device can be used with tablet, laptop or desktop host computer

Specification

Size (WxDxH):	151 mm x 213 mm x 60 mm
Weight:	0.95 kg (with strap and battery) 0.84 kg (with strap, without battery)
Image size:	902 x 636 (0.6Mpixels, 24bit/pixel RGB) 1802 x 1268 (2.2Mpixel, 24bits/pixel RGB) 3602 x 2534 (9Mpixels, 24bits/pixel RGB)
Image resolution:	180dpi (7200 pixels/meter) 360dpi (14400 pixels/meter) 720dpi (28800 pixels/meter)
Image formats:	Raw image data
Illuminations:	Visible (white), Infrared@850nm, Ultraviolet@365nm
Processes:	MRZ zone reading (OCR-B font) Reading of 1D Barcode EAN12 and EAN13 (optional) 2D Barcode decoding PDF417 (optional) Contactless chip reading (ISO/IEC14443A&B) Contact chip reading (ISO/IEC 7816) Data verification per ICAO 9303 recommendations Single fingerprint scanning (508dpi) Automatic detection of document placement
Hardware interface:	USB (microUSB for connection with host and standard USB for additional peripherals), LED indication (adapter, battery and device status)
Operating temperature:	0 ÷ 40ºC
Humidity:	0 ÷ 90%
Operating systems:	Windows 7/ 8 8.1
Standard accessories:	Rechargeable Lithium-Ion Battery 7.4V/2.4Ah AC/DC adapter 220Vac/12Vdc, 2.5Adc
Regulatory requirements:	CE, RoHS, WEEE

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