Full-page Multi-functional e-Passport Reader

SUPREMA
RealPass-V

RealPass-V is a multi-functional e-passport reader for full-page, one-step reading of visual data page and RF chip data of ICAO standard documents and cards. For high-level security in immigration clearance, RealPass-V processes a variety of data such as OCR, photos, characters, and even RFID of e-passports. High speed processing is ensured by automatic document detection, one-step reading, and USB 2.0 interface. With comprehensive quality checking software, RealPass-V can be used for e-passport issuing.

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Benefits

∗ Full page, one step reading of visual data page and RFID data of ICAO standard travel documents and cards
∗ Easy and fast operation by lay-on type scanning of e-passports
∗ Fast recognition speed and low error rate of passport OCR characters and RFID data
∗ Support for multi-functions: full page scan, certain image extraction, OCR, character recognition, IR or UV illumination, and RFID reading
∗ No moving parts, robust, minimal maintenance cost
∗ Compact design, easy to mount in a kiosk
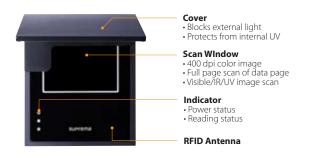∗ Comprehensive quality checking software for e-passport issuing

Features

∗ Reads MRZ (machine readable zone: 1, 2, or 3 lines) of ICAO Document 9303 compliant travel documents and cards
∗ Captures 420 dpi, 24 bit true color image of MRZ
∗ Extracts and saves photos or certain image area from visual data page
∗ IR and UV (option) illumination for checking hidden graphical patterns on the data page
∗ Reads ISO 14443 Type A/B contactless chip of ICAO standard e-passports
∗ Supports security protocols of e-passports: BAC (Basic access control), PA (Passive authentication), AA (Active authentication), and EAC (Extended access control, option)
∗ Retractable cover for cleaning a scan window
∗ Multi-color LED and beep sound for intuitive user interface
∗ High speed USB 2.0 interface
∗ Auxiliary USB 2.0 interface for a fingerprint scanner or other peripheral device
∗ Provides SDK for easy integration into any systems
∗ Provides quality checking software for e-passport issuing (option)
∗ Reads 1D or 2D barcode (option)

Specifications

Dimension	Body : 210 x 246 x 129.5mm / 8.27 x 9.69 x 5.10" (W x D x H) Cover height : 58mm / 2.28" (H)
Window Size	130 x 90 mm / 5 x 3.54" (W x L)
Weight	3.7kg (8.15lbs)
Image Resolution	420 dpi
Image Size	127 x 90 mm (24bit True Color)
Illuminations	Visible, IR, UV (option)
RF Reader	ISO 14443 A/B chip up to 848kbps speed, PCSC Support
Indicator	Multi-color LED
Operating Temperature	0˚C~40˚C
Power Supply	12V 3A DC Adaptor
Interface	USB 2.0
Operating Systems	Windows 2000, 2003, XP, Vista
SDK	Full SDK including DLLs with a demo program in different languages

Device Configuration

Cover
• Blocks external light
• Protects from internal UV

Scan WIndow
• 400 dpi color image
• Full page scan of data page
• Visible/IR/UV image scan

Indicator
• Power status
• Reading status

RFID Antenna

DC Adaptor
USB 2.0 Interface
Auxiliary USB 2.0 Interface
Firmware Upgrade