

DESKO PENTA Scanner®

Full-Image Passport & ID Scanner Solution – Reliable, Efficient, Secure



From border control and immigration to security and business, to passenger handling and contract management – each industry has its own specific requirements in terms of customer identification. Essential for every application is a safe and fast handling of national and international ID documents.

The operation of the PENTA Scanner® is straightforward: simply place the document to be checked on the glass pane of the scan window. The PENTA Scanner® starts immediately with his work. It now

automatically captures images of the document under different light sources, evaluates them and transmits the recordings to your computer or an application. This gives you high-resolution scans in a matter of seconds. Even biometric passports (ePassport) are read in the same step without having to move the document. This guarantees a high user-friendliness and a shortened processing time. This gives you more time to take care of the concerns of your customers.



Your Advantages

- *Full-page, passport and ID document reader with multiple light sources*
- *Automatic recognition of passports and ID cards according to ICAO 9303*
- *Intuitive and user-friendly handling*
- *No maintenance costs*
- *Security glass featuring scratch-resistant Corning® Gorilla® Glass 3*

Now available
for
LINUX



“ACCURACY IN ID DOCUMENT SCANNING”

TECHNICAL DATA

Vcc: 5V DC +/- 5%
Icc: max. 2.5 A

Footprint:

L 219.9 mm (8.66 inches) ×
W 150 mm (5.91 inches) ×
H 144.7 mm (5.70 inches)

Scan Window:

L 94 mm (3.70 inches) ×
W 131 mm (5.16 inches)

Light sources:

IR, visible light and UV-A
(optional)

Image formats:

JPG, BMP, PNG

Resolution:

150 up to 500 dpi

Host interface:

USB

Status Indicator:

Audible and visible status
indicator

Features

- High-Precision Optical Scan Engine: DESKO development for high speed imaging and barcode scanning
- ID and Passport Image Scanning: scans documents with different light sources (VIS, IR)
- Rugged Design: solid box, security glass featuring scratch-resistant Corning® Gorilla® Glass 3

Optional Features

- RFID & NFC Reading Module: integrated RFID module is a dual antenna design that is especially designed for ePassport and NFC reading
- Barcode Recognition Module: embedded barcode engine with 1D/2D barcode reader
- Light Source: UV-A

SDK Features

- Anti-Glare: brilliant image quality without troubling glare dots on document scan
- Insensitivity to Ambient Light: enables scanning without the need of any hood or lid
- Document Type Detection: Document shape detection (ID1/ID2/ID3) plus crop and rotate
- Move Detection: ensures that only non-blurred scans are processed
- Live Scan Picture: streaming of thumbnails to show user position of document on scan window
- B900 Ink Check: detect if MRZ was printed using B900 ink
- ICAO MRZ Compliancy: check if MRZ is conform to ICAO regulations

- Checksum Verification: see if MRZ is reasonable and valid
- UV Dullness Check: use integrated UV light (optional) source to check if data page is made of optical unresponsive material (UV security printings)
- Age Verification: find out age of passport holder
- Document Expiry Date: verify if document is still valid or if it has already been expired

User Feedback

- Light: integrated multicolor LED on the front.
- Sound: high and low volume control buzzer

Certifications

- CE, FCC, WEEE, RoHS, BSI

Interfaces

- Host Interface: USB

Documents

- Machine-readable zone of OCR documents according to ISO/IEC 7501-1 and ICAO 9303 (e.g. ID cards, passports, visas)
- RFID documents according to ISO 14443 (A/B), ISO 7816 (incl. US passport), ICAO 9303 (BAC, EAC, EAC2.0, PACE, AA, PA, TA, CA), ISO 18013 (BAP, EAP), PKI (BSI TR-03129)
- 1D/2D barcode documents printed on paper or presented on displays e.g. mobile phone

