DESKO PENTA Scanner® Block

Standalone Driver´s License &ID Document Scanner

The PENTA Scanner® Block is an autonomous all-in-one document scanner for automated ID document checks. It is by default equipped with an embedded PC.
A highly visible LED provides clear feedback on the scan result (green = OK/red = not OK). An integrated LED for document switch indication and an extra large scan window ensure an intuitive and user-friendly handling.

The embedded PC and (W)LAN connectivity enable the PENTA Scanner® Block for standalone operation. With its small footprint and compact design, the PENTA Scanner® Block requires only a minimum of space.
All these features make it your ideal solution for automated ID document checks.

Your Advantages

- *Designed for standalone usage*
- *Automatic recognition of ID documents and drivers´ licenses*
- *High-resolution images scalable up to 500 dpi*
- *High-performance barcode engine*
- *Embedded PC for independent operation*
- *Clear visible user feedback on result (OK/not OK)*
- *Extra large scan window, extremely user-friendly*
- *Small footprint, requires minimum of space*
- *Device ready to use out of the box*
- *Safety glass on scan area*

Stand-alone device

“PROVIDES A HIGH LEVEL OF FLEXIBILITY”

TECHNICAL DATA

Vcc: 19 V
Icc: max. 3.42 A

Footprint:
L 168 mm (6.61 inches) ×
W 143 mm (5.63 inches) ×
H 134,2 mm (5.28 inches)

Scan Window:
L 94 mm (3.70 inches) ×
W 131mm (5.16 inches)

Light sources:
IR, visible light and UV-A (optional)

Image formats:
JPG, BMP, PNG

Resolution:
150 up to 500 dpi

Status Indicator:
Audible and visible status indicator

Features

- Automatic high reliable OCR/MRZ recognition (ICAO 9303) of passports, ID cards and drivers´ licenses or other non-ICAO documents
- High-speed automatic image scan of all ID and passport documents under three light sources (VIS, IR, UV-A - optional)
- Visible and infrared illumination scalable up to 500 dpi
- Future-proof with full NFC support
- Integrated embedded PC (software not inlcuded)
- Safety glass on scan area

Optional Features

- Integrated barcode engine for 1D and 2D barcode reading from smartwatches, smartphones and even large tablets
- LED powered UV illumination (365 nm)

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: 1× highly visible integrated multicolor LED for user feedback; 1× multicolor LED for document switch indication
- Sound: volume control buzzer (deactivated)

Certifications

- CE, FCC, WEEE, RoHS, UL

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

Technical Data embedded PC

- Intel Core i3-7100U (2,4 GHz, 2 Core)
- 8GB RAM
- 128 GB SSD

Interfaces

- Integrated LAN and WLAN (801.11ac)
- 2× USB ports
- 1× HDMI port
- 1× mini DP
- 4G module (optional)

BIOMETRIC TECHNOLOGY COMPATIBLE

DOCUMENT AUTHENTICATION

DESKO®

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