DESKO®

DESKO PENTA Scanner® Block

Driver´s License & ID Document Scanner for OEM applications

The PENTA Scanner® Block is a document scanner dedicated to the OEM integration within self-service applications. It is equipped with efficient DESKO ID document scan technology integrated in a housing set-up specifically designed for the convenient integration in counters, kiosks or gates. With its small footprint and compact design, the PENTA Scanner® Block requires only a minimum of space.

A highly visible LED provides clear user feedback on the scan result (green = OK / red = not OK). The extra large scan window ensures an intuitive and user-friendly handling. Additional features like barcode reading, NFC functionality and UV illumination make the PENTA Scanner® Block your future-proof solution for automated ID document and barcode checks.

Your Advantages

- Designed for OEM integration
- Small footprint, requires minimum of space
- Automatic recognition of ID documents and drivers´ licenses
- High-resolution images scalable up to 500 dpi
- Clear visible user feedback on result (OK / not OK)
- Extra large scan window, extremely user-friendly
- Rugged design – solid box, security glass with Corning® Gorilla® Glass 3
- Water and dust resistant according to IP54 regulations

small footprint

"SMALL AND COMPACT DESIGN"

TECHNICAL DATA

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

Footprint:
L 168 mm (6.61 inches) ×
W 143 mm (5.63 inches) ×
H 99,1 mm (3.90 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 ID documents and drivers´ licenses or other non-ICAO documents
- High-speed automatic image scan of all ID documents drivers´ licenses under three light sources (VIS, IR, UV-A - optional)
- Visible and infrared illumination scalable up to 500 dpi
- Future-proof with full NFC support
- Security glass with Corning® Gorilla® Glass 3
- IP54 certified, device protected against dust and water damage according to IP54 regulations

Optional Features
- Integrated barcode engine for 1D and 2D barcode reading from smartwatches, smartphones and 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
- Sound: volume control buzzer

Certifications
- CE, FCC, WEEE, RoHS, IP54

Interface
- USB interface required to ensure high-speed data transfer
- Optional USB-C interface for USB powered device, no additional power supply required

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