

## 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, safety glass on scan area*
- *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 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

### 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
- Safety glass on scan area
- 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

