

DESKO PENTA Scanner® CKI

The Ultimate Check-In Device



With the PENTA Scanner® CKI you have multiple devices in just one housing. It is by default equipped with the latest imaging technology for OCR reading, a built-in barcode scan engine and optional RFID and NFC feature, replacing commonly installed devices at the check-in such as swipe readers, keyboards or barcode guns all together.

The PENTA Scanner® CKI delivers a full-page color image as well as a decoded MRZ of the document. Additionally the device is capable of decoding 1D and 2D barcodes of documents printed on paper or displayed such as on a smartphone, smartwatch or tablet.



Your Advantages

- Extra large scan window
- Volume adjustable buzzer and multicolor LEDs for clear GO/NO-GO feedback
- Certified with all main Common Use providers
- Rugged design – solid box, scratch-resistant Corning® Gorilla® Glass 3
- PENTA technology – OCR/MRZ, BCR, MSR, RFID and NFC in one device
- Standalone option – embedded PC with (W)LAN
- connectivity or battery pack
- Various fields of application: check-in, security, boarding and self-service





“BEST PREPARED FOR THE FUTURE”

TECHNICAL DATA

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

Footprint:

L 219,9 mm (8.66 inches) ×
W 143 mm (5.63 inches) ×
H 127,9 mm (5.04 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
2 × RS232 by DE-9/SUBD9
socket (true serial host
interface)

Status Indicator:

Audible and visible status
indicator

Features

- ID and Passport Image Scan: high speed automatic image scan
- Light Sources: IR and visible light
- High-Performance Barcode Scan Engine: high speed barcode scan of paper boarding passes and mobile boarding passes (from smartwatches, smartphones or even large tablets)
- MSR Reading Module: integrated bidirectional magnetic stripe reader
- Rugged Design: solid box, scratch-resistant Corning® Gorilla® Glass 3

Optional Features

- RFID & NFC Reading Module: integrated RFID module with a dual antenna design that is especially designed for ePassport and NFC reading
- China ID Reading Module: integrated RFID module specifically designed for reading China National ID Card
- Light Sources: 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: highly visible multicolor LEDs for clear GO/NO-GO feedback
- Sound: volume control buzzer

Standalone

- 10 hour battery pack (optional)
- Embedded PC (optional) with (W)LAN

Certifications

- CE, FCC, WEEE, RoHS

Interfaces

- Host Interface: USB
- True Serial Host Interface: 2 × RS232 by DE-9/SUBD9 socket

Documents

- Machine-readable zone of OCR documents according to ISO/IEC 7501-1 and ICAO 9303 (e.g. ID cards, passports, visas)
- 1D/2D barcode documents printed on paper or presented on displays e.g. smartphone
- RFID documents according to ISO 14443 (A/B), ISO 7816 (incl. US passport), ICAO 9303 as well as full NFC support
- 3-track magnetic stripe documents according to ISO 7811/2-5

