

# PENTA Scanner®



## DESKO PENTA Scanner®

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

Accuracy and efficiency in document scanning application such as border control and passenger service; with the DESKO PENTA document scanner there are no compromises. Passports, visas and any form of national ID cards – the PENTA Scanner® is the smallest and most efficient full-page document reader.

Fast and easy to use, the PENTA Scanner® is the solid entry device for the unique technology portfolio of passport scanners from DESKO.

#### Your Advantages

- Full-page, passport and ID document reader with multiple light sources
- Upgradable with 4,3" multicolor touch display
- Automatic recognition of passports and ID cards according to ICAO 9303
- Unparalleled connectivity with LAN or WLAN module
- Intelligent device, PC integration possible for standalone solutions
- NEW security glass - PERLUCOR® ceramic coated glass - available



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## System Approach

Every industry – from border control & immigration environments, security & commercial service industry to passenger service and contract management – has its specific objectives and requirements. Very often a basic solution must be individualized by additional components or features. To fulfill these individualized concepts, DESKO developed a modular system of DESKO PENTA full-page scanners for ID data entry and verification. Module by module the PENTA Scanner® evolves into an purpose optimized solution. The large scanning area supports ICAO and non-ICAO format documents, while the optionally

available 4,3” multicolor display and touch screen turn the PENTA Scanner® in a full functioning self-service terminal. On board WLAN connectivity and battery pack enable this leading technology for stand alone operation. The single-step reading process: optical and RFID data reading without moving the document ensures user comfort. Various hood options make the PENTA Scanners® adaptable to different applications from traditional scanning to quality assurance. Optional mounting kit is available for physical integration, e.g. in kiosks.

## Features & Options

- **High-Precision Optical Scan Engine:** DESKO development for high speed imaging and barcode
- **Rugged Design:** solid box, extra toughened glass (standard), security glass available
- **Standalone Device:** battery pack (10 hours), WiFi/LAN connection and built-in PC
- **OEM Versions Available:** for gates & kiosk projects

## Modules

- **ID and Passport Image Scanning Module:** scans documents with three different light sources (VIS, IR, UV-A)
- **Independent Barcode Recognition Module:** embedded barcode engine with 1D/2D barcode reader
- **RFID & NFC Reading Module:** integrated RFID module is a dual antenna design that is especially designed for passport reading and NFC
- **MSR Reading Module:** integrated bidirectional magnetic stripe swipe reader (4-tracks)
- **SCR Reading Module:** integrated smart card reader (optional)

## User Feedback

- **Display:** full-graphic multicolor display (optional) for individual graphics. Display unit with touch technology.
- **Light:** integrated multicolor LED on the front. Two additional multicolor LEDs near the display (optional).
- **Sound:** high and low volume control buzzer, additional interface for external buzzer

## Certifications

CE, FCC, WEEE, RoHS, BSI



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## Interfaces

- **Host Interface:** USB
- **True Serial Host Interface:** 2 × RS232 by DE-9/SUBD9 socket
- **AUX Port:** 2 × RS232 by DE-9/SUBD9 plug for i.e. POS printer
- **LAN/WLAN/3G interface** (optional)

## 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. mobile phone
- **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)
- **Magnetic stripe documents** according to ISO 7811/2-5 and IATA 1722c, 722e
- **Smart cards** according to standard ISO 7816

## Technical Data

- Vcc: 5V +/- 5%
- Icc: max. 2.5 A
- Footprint: L 218 mm (8.6 inches) × W 143 mm (5.6 inches) × H 127.9 mm (5 inches)
- Scan Window: L 94 mm (3.7 inches) × W 131 mm (5.2 inches)
- Image formats: JPG, BMP, PNG
- Resolution: 150 up to 500 dpi
- Light Sources: IR, visible light and UV-A (optional)
- Status Indicator: Audible and visible status indicator

