

PENTA Scanner®



DESKO PENTA Scanner® Full-Image Passport & ID Scanner Solution – Reliable, Efficient, Secure

Accuracy and efficiency in document scanning application like 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. Reliable, easy to use and extendable with a variety of modules, the PENTA platform is the perfect choice for your application.

Your Advantages

- Full-page, passport and ID document reader with multiple light sources
- Automatic recognition of passports and ID cards according to ICAO 9303
- Upgradable with 4,3" multicolor display
- Embedded PC (optional) with (W)LAN
- Intelligent device, PC integration possible for standalone solutions
- Security glass featuring scratch-resistant Corning® Gorilla® Glass 3



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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 customized 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 a purpose optimized solution. The large scanning area supports ICAO and non-ICAO format documents, while the optionally

available 4,3" multicolor display turn the PENTA Scanner® in a full functioning self-service terminal. An optional embedded PC with (W)LAN connectivity or battery power enable this leading technology for standalone operation. The single-step reading process: optical and RFID data reading without moving the document ensures user comfort. Moreover, the PENTA Scanner® is available with different mounting options. Space-saving wall mount, theft protected base mount and even a pole mount for a flexible on-site field installation can be combined with the device.

Features

- **High-Precision Optical Scan Engine:** DESKO development for high speed imaging and barcode scanning
- **ID and Passport Image Scanning:** scans documents with different light sources (VIS, IR)
- **Rugged Design:** solid box, security glass featuring scratch-resistant Corning® Gorilla® Glass 3
- **OEM Solutions available:** perfect for integration into gates or kiosks

Optional Features

- **RFID & NFC Reading Module:** integrated RFID module is 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
- **Barcode Recognition Module:** embedded barcode engine with 1D/2D barcode reader
- **MSR Reading Module:** integrated bidirectional magnetic stripe swipe reader (3-tracks)
- **Chip Card Module:** integrated chip card reader
- **SAM Module:** integrated secure access module
- **Light Source:** UV-A
- **Standalone Device:** battery pack (10 hours) or embedded PC incl. LAN/WLAN connection

User Feedback

- **Light:** integrated multicolor LED on the front. Two additional multicolor LEDs next to display (optional)
- **Sound:** high and low volume control buzzer
- **Display:** full-graphic multicolor display (optional) for individual graphics

Certifications

CE, FCC, WEEE, RoHS, BSI

Interfaces

- **Host Interface:** USB

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
- **Magnetic stripe documents** according to ISO 7811/2-5
- **Chip cards** according to standard ISO 7816
- **SAM cards** according to standard ISO/IEC 7810:2003

Technical Data

Vcc:	5V +/- 5%
Icc:	max. 2.5 A
Footprint:	L 219,9 mm (8.7 inches) × W 150,1 mm (5.9 inches) × H 144,7 mm (5.7 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
Securing:	kensington lock



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