



DESKO Cube and PENTA Scanner® Cube Barcode & ID Document Scanner for OEM Applications

Image quality and efficiency – with our Cube product variations including the Cube and PENTA Scanner® Cube, there are no compromises. Whichever version you choose - both solutions are characterized by the same mechanical integration options in self-service devices such as kiosks, counters and gates. With an optimized, yet stylish, design, the devices handle all size restrictions and integration challenges.

Therefore, you can entirely focus on the technology that fits best for your field of application. No matter if you require fast and efficient read results from barcodes or high-quality image scans – we can offer the ideal solution for your specific needs. For an overview of standard features and options of both Cube and PENTA Scanner® Cube, please refer to the back page.

Your Advantages

- Designed for OEM integration
- ICAO 9303 OCR reader
- High-resolution images scalable up to 500 dpi
- Integrated high-performance barcode scan engine
- NFC/RFID technology
- Extra large scan window, extremely user-friendly
- Rugged design – solid box, PERLUCOR® security glass on scan window (standard)
- Dust and water resistant according to IP54 regulations
- Same mechanical integration, two device options



Water and dust resistant; IP54 certified



Barcode



RFID/NFC



ID Card



Passport



Cube | Versions

System Approach

The Cube technology comprising the versions Cube and PENTA Scanner® Cube, is a platform dedicated to OEM integration. It offers DESKO's efficient ID document and barcode scan technology in a most ergonomic set-up which meets the needs of gate and kiosk manufacturers. The specific housing design allows for an easy integration in almost any self-service solution.

Due to the PERLUCOR® security glass and the IP54 certification, the Cube and PENTA Scanner® Cube are extra protected and therefore best equipped for a long life cycle in the self-service environment. Optional features like RFID/NFC technology or UV illumination, prepare the Cube versions for all future requirements.

Features

- **Integrated barcode engine** for 1D and 2D barcode reading, from smartwatches, smartphones and even large tablets
- **RFID ePassport reading** (ISO 14443 type A & B including anti-collision, auto-detection)
- **Future-proof** with full NFC support
- **Automatic high reliable OCR/MRZ recognition** (ICAO 9303)
- **High speed automatic image scan** of all ID and passport documents
- **Visible and infrared illumination** scalable up to 500 dpi
- **LED powered UV illumination** (365 nm)
- **PERLUCOR® security glass** on scan window (standard)
- **IP54 certified**, device protected against dust and water damage according to IP54 regulations

Interface

- **USB interface** required to ensure high speed data transfer

Certifications



CE, FCC, WEEE, RoHS, IP54

Technical Data

Vcc: 5 V +/- 5 %
 Icc: max. 2.5 A
 Footprint: L 227 mm (8.9 inches) ×
 W 143 mm (5.6 inches) ×
 H 93 mm (3.7 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 Indicators: audible and visible status indicator

User Feedback

- **Light:** highly visible integrated multicolor LEDs
- **Sound:** volume control buzzer

| | Barcode | RFID & NFC | OCR/MRZ | VIS & IR light | UV light |
|---|----------|------------|----------|----------------|----------|
| Cube  | standard | option | / | / | / |
| PENTA Scanner® Cube  | option | option | standard | standard | option |

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