DESKO®

DESKO Cube and PENTA Scanner® Cube

Barcode & ID Document Scanner for OEM Applications

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 security glass with Corning® Gorilla® glass 3 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.

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*
- *Security glass featuring scratch-resistant Corning® Gorilla® Glass 3*
- *Dust and water resistant according to IP54 regulations*
- *Same mechanical integration, two device options*

perfect OEM solutions

TECHNICAL DATA

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

Footprint:
L 226.75 mm (8.93 inches) ×
W 143 mm (5.63 inches) ×
H 108,1 mm (4.26 inches)

Scan Window:
L 94,2 mm (3.71 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
USB-C (optional)

Status Indicator:
Audible and visible status
indicator

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)
- China ID Reading Module: integrated RFID module specifically designed for reading China National ID Card
- 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)
- Security glass with Corning® Gorilla® Glass 3
- IP54 certified, device protected against dust and water damage according to IP54 regulations

User Feedback

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

Certifications

CE, FCC, WEEE, RoHS, IP54

Interfaces

- 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)
- 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

Choose the right scanner version for your application:

	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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