

PENTA Scanner® | BGR



DESKO PENTA Scanner® BGR The All-in-one Boarding Gate Reader

The PENTA Scanner® BGR is the ultimate self-service terminal, which combines all well-known features of the PENTA platform in an innovative concept. The device is a multiple scanner which aim is to be installed both at check-in counters (replacing OCR/MSR keyboards & laser guns) and at the gate replacing barcode gate readers. DESKO is therefore bringing brand new security features

to the ITDCS/CUTE environment. Smart device technology allows for enhanced functionality without changing infrastructure, thus making the PENTA Scanner® BGR the ideal technology to introduce newly improved passenger services, such as supervised boarding, self-boarding, NFC boarding and ID verification.

Your Advantages

- Extra large barcode scanning window
- Large multicolor touch display – adaptable with e.g. own company logo
- Highly visible multicolor LEDs for clear GO/NO-GO feedback and volume adjustable buzzer
- Stand-alone option – battery pack, WLAN module
- PENTA technology – OCR, BCR, MSR, RFID and NFC in one device
- Various fields of application: boarding, check-in, security and self-service
- Certified with all main Common Use providers
- Rugged design – solid box, extra toughened glass (standard)



Paper Ticket



Electronic Ticket



Passport/ID Card



RFID/NFC



MSR

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System Approach

The PENTA Scanner® BGR was exclusively developed for the boarding environment. It is equipped with e.g. an extra-large barcode scanning window to increase the already high usability for the agent or passenger. Furthermore, the BGR also has a 4,3" multicolor touch display and multicolor LEDs for a fast and clear GO/NO-GO decision. In addition to that, the PENTA Scanner® BGR is also equipped with the successful established DESKO PENTA technology. It can therefore read passports and ID cards, credit cards or debit cards and even ePassports or eTickets

thanks to its RFID/NFC module. The PENTA Scanner® BGR is also available with WLAN module and battery power which is perfect for desktop usage but also gives you the opportunity for a complete infrastructure independent operation at any time and location. The wide variety of DESKO mounting kits for fixation of the PENTA Scanner® on e.g. stanchion, desk or counter complete the large fields of application of the PENTA BGR and make it the perfect device for a fast and trouble-free process at every passenger touch point.

Features Options

- **High-Performance Barcode Scan Engine:** high-speed barcode scan of paper boarding passes and mobile boarding passes (even from iPad or large smart-phones)
- **ID and Passport Image Scan:** scans document with three different light sources (IR, visible and UV-A)
- **MSR Reading Module:** integrated bidirectional magnetic stripe swipe reader
- **RFID & NFC Reading Module:** integrated RFID module is a dual antenna design that is especially designed for passport reading and NFC (ISO 14443 Type A&B including anti-collision, auto-decryption) (optional)
- **Rugged Design:** solid box, extra toughened glass (standard)

- **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** as well as full NFC support
- 3-track magnetic stripe documents according to **ISO 7811/2-5** and **IATA 1722c, 722e**

Standalone

- **12 hour battery pack** (optional)
- **LAN/WLAN/3G interface** (optional)

User Feedback

- **Display:** full-graphic multicolor touch display for individual graphics and text messages
- **Light:** highly visible multicolor LEDs for clear GO/NO-GO feedback
- **Sound:** high and low volume control buzzer, additional interface for external buzzer

Interfaces

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

Certifications

CE, WEEE, RoHS, FCC

Technical Data

Vcc:	5V +/- 5%
Icc:	max. 2.5 A
Footprint:	L 218 mm (8.6 inches) × W 143 mm (5.6 inches) × H 189 mm (7.4 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
Weight:	approx. 1500g (3.4 lb)
Light Sources:	IR, visible light and UV-A (optional)
Status Indicator:	Audible and visible status indicator

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