DESKO PENTA Scanner® 4X

900dpi standard

DESKO▪▫

4X

PENTA Scanner®

PENTA Scanner

DISCOVER THE
FOURTH DIMENSION
OF PERFORMANCE

DESKO▪▫

DESKO PENTA Scanner® 4X

Proven ID scanning quality - four times better!

Discover the fourth dimension of performance with the brand-new DESKO PENTA Scanner® 4X. The evolution of DESKO´s bestseller and class-leading full-page scanner PENTA Scanner is even better, even faster and even more efficient.

With the PENTA Scanner 4X you are technically always one step ahead: its high-class scan technology delivers excellent images with a resolution of up to 900 dpi, which exceeds the official requirements of most law enforcement agencies of 600 dpi and therefore raises document authentication to the next security level. The state-of-the-art image power sensor ensures an enhanced image capturing and thus a better image definition.

A super-fast USB 3.0 connection speeds up your workflows by increasing the data transfer rate to your application ten times. To enhance usability, the PENTA 4X can be equipped with an additional document hold clip which allows for an improved document guidance and an easier operation. Furthermore, the PENTA Scanner 4X is USB-powered for IR, VIS, UV and RFID reading – hence you can work completely independent from an external power supply.

Of course, the PENTA Scanner 4X is by default equipped with proven DESKO OCR technology to reliably capture all data from the machine-readable (MRZ) and visual zone. Additional features are available, so you can set up your PENTA 4X according to your individual needs: a UV light and a coaxial light source, for example, reveal hidden security printings and features and enable a complete ID document authentication.

Further options include a chip card reader as well as a barcode reader to complete the extensive functionality of the PENTA Scanner 4X.

Four times better:

1. Resolution of up to 900 dpi for high-class image quality
2. Included power sensors for enhanced image correction
3. USB 3.0 connection for increased data transfer rate
4. Document hold clip improves document guidance (optional)

And there are even more benefits:
- Coaxial light to reveal hidden security features (optional)
- LAN interface via Rest API (optional)
- Security glass featuring Corning® Gorilla® Glass 3

TECHNICAL DATA

Active Scan Area:
H 94 mm (3.70 inches) ×
W 131 mm (5.16 inches)

Resolution:
Scalable up to 900 dpi

Light sources:
Standard: Visible and IR
Optional: UV-A, coaxial light

Image formats:
JPG, BMP, PNG

Interface:
USB 3.0 host interface
USB powered
Optional: LAN (Rest API)

Drivers:
Windows

Status Indicator:
Audible and visible

Footprint:
L 220 mm (8.66 inches) ×
W 143 mm (5.63 inches) ×
H 127 mm (5.00 inches)

Certifications:
CE, FCC, CB report, WEEE, RoHS, BSI
Country-specific reports available

Scan Features
- ID and passport image scanning under visible, IR and UV-A light (optional) as well as coaxiallight (optional)
- Scan without full cover for all light sources possible for easier user handling
- Optimized for OCR data collection
- Document size detection (e.g. for ID1 cards additional scan for backside necessary)
- Passport or ID card portrait available as separate image
- Reflection removal scan technology prevents spots caused by laminate or holographic print
- Automatic scan trigger based on document detection
- Automatic crop and rotate including background elimination of scanned image
- Move Detection: ensures that only non-blurred scans are processed
- Live Scan Picture: streaming of thumbnails to show user position of document on scan window

Supported Documents
- Scanning of all ID documents or passports including driver´s licenses and specific IDs (e.g. work permit ID, student ID)
- Supported format: ID1, ID2 and ID3

OCR Reading
- OCR MRZ reading for all ICAO 9303 compliant ID1, ID2 and ID3 documents such as passports, national ID cards, resident permits or VISA via DESKO Scanner SDK
- OCR VIZ reading or OCR reading of non-ICAO compliant ID documents available via additional software, available upon request

User Feedback and Support
- Light: integrated & programmable multicolor LED

- Sound: programmable buzzer with adjustable volume and pitch
- Document hold clip for user guidance (optional)

Additional Data Reading (optional)
- Barcode Recognition: 1D/2D barcode reading
- RFID Reading Module: dual antenna RFID for biometric ID cards, passports and NFC applications
- Chip Card Module: contact chip card reader
- SAM Module: integrated secure access module
- China ID Reading Module: integrated RFID module for China National ID Card reading

Basic Authentication Features (incl. in SDK)
- B900 Ink Check: detect if MRZ was printed using B900 ink
- ICAO MRZ Compliancy: check if MRZ is conform to ICAO regulations
- Checksum Verification: see if MRZ is reasonable and valid
- UV Dullness Check: use integrated UV light (optional) source to check if data page is made of optical unresponsive material (UV security printings)
- Age Verification: find out age of passport holder
- Document Expiry Date: verify if document is still valid or if ist has already been expired

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4X

FOUR TIMES BETTER THAN EVER

DESKO

PENTA Scanner® **4X**

1 *900 dpi resolution*
STRONGER ZOOM FACTOR

2 *Image power sensors*
BETTER IMAGE DEFINITION

3 *USB 3.0 interface*
FASTER WORKFLOW

4 *Document clip*
EASIER OPERATION

desko   **desko**

Enormous image quality and security feature detection ...

1 good

2 better

3 best

PENTA Scanner 4x

DESKO PENTA Scanner® 4X
Proven quality in a new dimension

DESKO´s bestseller PENTA Scanner is a multifunctional ID and passport scanner. It provides accurate read results from a variety of documents such as ID cards, passports, driver´s licenses, chip cards and many more. The DESKO PENTA Scanner® is a flexible platform solution which can be extended by various features and reading options according to the specific needs of the customer.

Besides the classic desktop version, a further device option is available: the OEM version Cube offers the full PENTA functionality and provides the option to be easily integrated in self-service environments such as eGates, kiosks or counters.

DESKO bestseller is in use worldwide

Since the launch of the PENTA platform, several hundred thousand devices are in use all-over the world making the PENTA Scanner DESKO´s best-selling full-page scanner. Well-established in the travel industry, the PENTA Scanner has constantly been further developed. It now supports customers in all fields where reliable ID control is crucial among those police, government, banking, insurance and many more.

DESKO PENTA Scanner® 4X

VERSATILE FULL-PAGE SCANNER

Setting Standards

Whether airlines and airports, public authorities, police stations, businesses and retailers or banks and insurance companies – reliable ID control is crucial in numerous industries.

Since every sector and company has its unique requirements, we at DESKO have developed a modular system for recording and verifying identity documents: the DESKO PENTA Scanner® 4X. The PENTA Scanner 4X is a flexible platform solution combining various features suitable to your specific needs.

From pure data collection to a full authentication – the PENTA Scanner 4X is your versatile all-in-one solution.

Improve your workflow with the DESKO PENTA Scanner®

Banking and Insurance:
Identify your customers and prevent fraud and money laundering. The PENTA Scanner 4X reliably supports you in implementing the KYC (Know your Customer) policy.

Access Control and Rental Agencies:
You decide who enters your building or rents your car – the PENTA Scanner 4X supports you in identifying your customers and helps to protect your assets.

Casino and Gambling:
No more money laundering in your house – check the ID documents of your guests fast and absolutely secure.

Police and Government:
Speed up your ID document process or the identity check during a traffic control. The PENTA Scanner 4X authenticates ID documents within seconds.

Travel and Freight:
You have to check the ID cards of your passengers as fast as possible to speed up the check-in process? The PENTA Scanner 4X is your perfect choice.

You need the full authentication package? Combine the DESKO PENTA Scanner 4X with our various software solutions.

For further information contact us via **info@desko.com**