

DESKO PENTA Scanner® 4X



THE FOURTH DIMENSION
OF PERFORMANCE – FOR
DESKTOP AND OEM USAGE

DESKO®

DESKO PENTA Scanner® 4X

Leading PENTA Scanner 4X technology for tabletop usage and OEM integration

Raise identity verification to the next security level: the DESKO PENTA Scanner® 4X is our flexible full-page scanner solution and the latest generation of the bestselling and proven PENTA Scanner platform. It combines excellent PENTA Scanner 4X technology with an innovative form factor for a simplified usage: No matter if the device is installed in an existing OEM architecture or used as desktop device – with its compact and multifunctional housing design, the PENTA Scanner 4X can easily do both.

Even better, even faster and even more efficient – with the PENTA Scanner 4X you are best prepared for all future requirements. Its high-class scanning technology delivers excellent images with a resolution up to 900 dpi. Along with multiple light sources for revealing hidden security features, it allows for a deep document authentication. An included state-of-the-art power sensor enables an enhanced image correction and definition while the super-fast USB 3.0 connection speeds up your workflows by increasing the data

transfer rate to your application by ten times. To enhance usability, the PENTA Scanner 4X can be equipped with an additional document hold clip allowing for an improved document guidance and an easier operation. An optionally available barcode engine provides quick read results from 1D/2D barcodes.


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 of ID cards, passports and driver´s licenses. Additionally available features comprise an extension package for in-depth document verification, including coaxial and oblique light sources to make holograms, embossments and OVDs visible. An RFID module completes the extensive functionality of the new PENTA Scanner 4X.

Four times better:

1. Resolution of up to 900 dpi for brilliant image quality
2. Power sensor for enhanced image correction
3. USB powered – USB 3.0 connection for increased data transfer rate and simplified installation
4. Multifunctional housing design – for desktop usage and OEM integration

Additional benefits:

- Illumination package for profound document authentication incl. coaxial or oblique light (optional)
- Document hold clip for enhanced document guidance (optional)





TECHNICAL DATA

Scan Window:

H 94 mm (3.7 inches) ×
W 131 mm (5.2 inches)

Resolution:

Scalable up to 900 dpi

Light sources:

Standard: visible, IR and UV-A
Optional: extended illumination package for in-depth security checks (coaxial light, oblique light, OVD)

Image formats:

JPG, BMP, PNG

Interface:

USB 3.0 host interface
USB powered¹
Optional: LAN (Rest API)

Drivers:

Windows, Linux

Status Indicator:

Audible and visible
Display (optional)

Footprint:

L 190 mm (7.48 inches) ×
W 143 mm (5.63 inches) ×
H 93 mm (3.66 inches)

Certifications:

CE, FCC, CB report, WEEE, RoHS

¹ Except for China ID reader and display – require external power supply

Scan Features

- ID and passport image scanning under visible, IR and UV-A light as well as coaxial and oblique light (optional)
- Optimized for OCR data collection
- RFID Reading module: dual antenna RFID for biometric ID cards, passports and NFC applications
- 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

Supported Documents

- Scanning of all ID documents or passports including driver´s licenses and specific IDs (e.g. work permit ID, student ID)
- Supported formats: 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
- Display (optional, power supply required)

Additional Data Reading (optional)

- Barcode Recognition: 1D/2D barcode reading
- Chip Card Module: for reading smart cards such as credit and debit cards
- SAM Module: integrated secure access module
- China ID Reading Module: integrated RFID module for China National ID Card reading

Basic Authentication Features

- B900 Ink Check: detect if MRZ was printed using B900 ink
- ICAO MRZ Compliancy: check if MRZ complies with ICAO regulations
- Checksum Verification: see if MRZ is reasonable and valid
- UV Dullness Check: use integrated UV light 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 it has already been expired

FOUR TIMES BETTER THAN EVER

1 *900 dpi resolution*
STRONGER ZOOM FACTOR

2 *Image power sensor*
BETTER IMAGE DEFINITION

3 *USB powered*
FASTER WORKFLOW WITH USB 3.0

4 *Flexible housing*
FOR DESKTOP AND OEM USAGE



High image quality and security feature detection ...

1 good

2 better

3 best

PENTA Scanner 4x



DESKO PENTA Scanner® 4X

Brilliant PENTA Scanner technology in a multi-purpose housing design

The latest generation of our well-established PENTA Scanner platform combines revolutionary ID scanning technology in a most flexible and compact housing construction for maximum usability. Due to the innovative form factor it is equally well suited for both desktop usage and the integration in existing OEM environments such as eGates, kiosks or counters.

Equipped with the latest scanning technology, the PENTA Scanner 4X achieves reliable read results from ID cards, passports, driver's licenses and other identity documents with a resolution of up to 900 dpi. As a full member of the PENTA family, the PENTA Scanner 4X can be extended by various functions and reading options according to the customer's specific needs which makes it a multifunctional and extremely flexible desktop and OEM product solution.

DESKO bestseller successfully installed around the globe

Since the launch of the PENTA Scanner 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 in ID Verification

Whether border control, government, public authorities, police stations, KYC applications or travel – in numerous industries reliable identity checks are crucial in their day-to-day business. Since each sector has its unique requirements, we at DESKO have developed a modular system for recording and verifying ID documents:

The PENTA Scanner 4X is a platform solution combining multiple features adaptable to your specific needs. The new form factor of the latest 4X generation facilitates its usage – the housing fits best for both desktop usage or integration in OEM architecture. From pure data capture to a full authentication – the PENTA Scanner 4X is your most flexible ID scanning platform.

Improve your workflow with the DESKO PENTA Scanner® 4X



Travel and Freight:

Whether agent-based or self-check-in: The PENTA Scanner 4X enables quick and easy handling as well as quick passenger processing.



Border Control:

The PENTA Scanner 4X provides reliable support in the verification of international ID documents in this highly sensitive area.



Police and Government:

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



Access and Visitor Control:

Self-service or counter-based: The PENTA Scanner 4X is your solution for a flexible access control and guest registration.



Banking and KYC:

The PENTA Scanner 4X is your product of choice for accurate and secure customer identification within the KYC (Know Your Customer) principle.



Do 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