

ATOM 3K

ID Document Reader

ATOM 3K provides fast, secure ID document scanning for industries with rigorous compliance requirements. Supporting both mobile and physical credentials, ATOM 3K enables organizations to confidently transition to digital identity processes.

INNOVATIVE IMAGING AND FORGERY DETECTION

ATOM 3K uses its coaxial illumination imaging mode and high-resolution 800 DPI multispectral imaging to enhance forgery detection and inspection accuracy. This innovative imaging technology uncovers concealed security features, identifies signs of tampering and sharpens hologram details. As a result, human error is minimized and reliable verification is maintained, even in challenging conditions.

MOBILE ID READY

ATOM 3K is built for the mobile ID era. It supports mobile driver's licenses (mDL) and mDoc standards aligned with ISO18013-5, enabling organizations



to confidently adopt digital identity workflows. This ensures future-ready identity verification for both physical and digital credentials.

SEAMLESS INTEGRATION

With its compact footprint (187 x 143 mm), ATOM 3K can be integrated into self-service kiosks and eGates or conveniently placed on a counter or desktop for PC connectivity. This space-efficient design simplifies installation while maintaining full functionality.

SECURITY, DURABILITY AND EASE OF USE

Enhanced security, precise data capture and quicker deployment are achieved with improved OCR for accurate extraction of biographic data from the VIZ, and pre-integration with select authentication platforms. User-friendly operation reduces training requirements, while a IK08 impact-rated glass window ensures durability in tough environments.

COMPREHENSIVE VERIFICATION ECOSYSTEM

ATOM 3K supports desktop and cloud-based authentication, as well as web-based ID verification for credit agencies, law enforcement, Interpol, AAMVA and more. Integration with HID biometrics enables multi-factor authentication.

APPLICATIONS

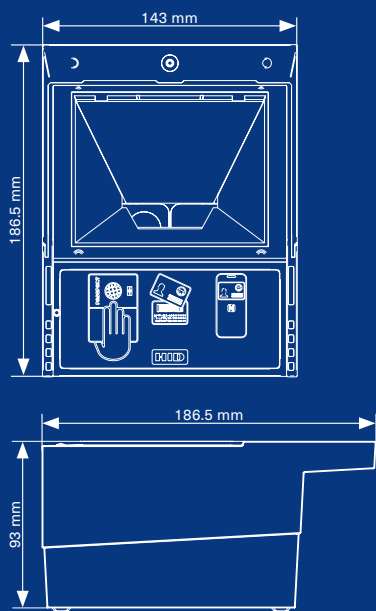
- Border control and immigration
- Law enforcement
- Banking and insurance
- ID document and visa issuance



FEATURES:

- **Sharper detection of security features** – 800 DPI multispectral imaging
- **Superior forgery inspection** – Coaxial illumination imaging mode
- **Accurate data extraction** – Enhanced OCR technology
- **Effortless integration in any environment** – Compact, integration-ready design
- **Future-proof identity verification** – Support for mobile and physical IDs along with firmware and SDK updates
- **User-friendly operation** – Automatic detection and scanning, LED indicators and sound for feedback
- **Exceptional durability** – IK08 impact-rated scanning window glass
- **Advanced multi-factor authentication** – Seamless integration with HID biometric devices

ATOM 3K



FEATURES

Connection Types

USB

Image Capture

- Visible
- Ultraviolet
- Infrared

Technology

- NFC / RFID
- QR/Barcode
- OCR

Reader Size

- Full Page

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ATOM 3K

	READING CAPABILITIES
OCR (Optical Character Recognition)	ICAO compliant travel documents in near infrared (IR) per ICAO 9303 specification Parts 1-4 (2 & 3-line MRZ) Near ICAO compliant travel documents (e.g. French ID) ISO-18013 driving licences (1-line MRZ)
Imaging	Glass platen: 0.2 in (4mm) thick toughened Active scan area: 5 in x 4 in (131mm x 94mm) Full-page: JPG, BMP, TIFF, PNG Illumination sources: visible/white, near IR B900, UV LED's, coaxial illumination Resolution: 800 DPI
Barcode Reading	Linear (1D): EAN / UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128 2D: IATA resolution 792, PDF417, Aztec, DataMatrix and QR codes
Contactless RFID Reading	Interoperability: ICAO DOC 9303, LDS1.8, ISO18013 (Driving Licence), PA, AA, BAC, EAC v1.11 (CA, TA), EAC v2.0x (PACE v2, ICAO SAC, CA v2, TA v2) Operating frequency: 13.56 MHz Supported documents: ISO 14443 type A & B auto-detecting; secure and high-speed data transmission; MIFARE memory card support (MIFARE ultralight, 1K, 4K cards) App. interface: PC/SC compliant device
Secure Access Module	Number of ID-000 (SAM) slots: 2
	ELECTRONIC
Power Supply	12 VDC via DC jack
Communication	USB 3.1 (Compatible: USB 2.0)
Host Minimum	Core-i3 2.1 GHz & 4GB RAM
Host Recommended	Core-i5 3.3 GHz
Supported Operating System	Windows 10 and above, 32-bit or 64-bit
	PHYSICAL
Dimensions	93 x 186.5 x 143 mm (H x L x W) [Module without hood and document clamp]
USB 3.0 Cable Supplied	4.9ft (1.5 m)
Body	Black PC/ABS
Glass	Rated to IK08 impact
Weight	2 lbs. (750g) excl cable/PSU
Security	Kensington® security slot
	THERMAL (AIR)
Temperature	Operating 32°F to 122°F (0°C to 50°C)
Storage	-4°F to 140°F (-20°C to 60°C)
Humidity	0-95% non-condensing
	APPROVALS
	EMC: FCC 47CFR Part 15 Subpart B Class A, EN 55032 Class B, EN 55035 Radio: FCC Part 15 Subpart C, EN 301 489-1, EN 301 489-3, EN 300-330, EN 300-328 Safety: IEC 62471 Exempt Class, EN62368-1



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