

# 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

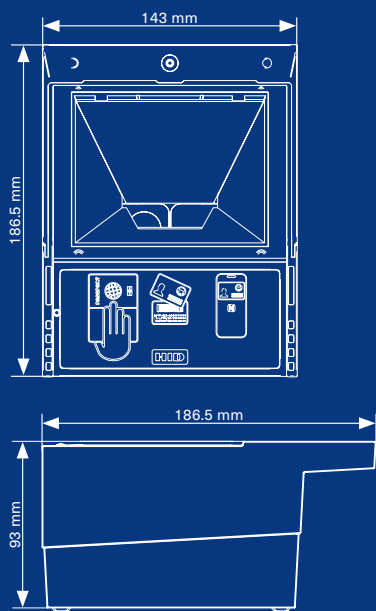
- Border control and immigration
- Law enforcement
- Banking and insurance
- ID document and visa issuance



### 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
- Bluetooth
- QR/Barcode
- OCR

### Reader Size

- Full Page

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## ATOM 3K

|                                            | READING CAPABILITIES                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OCR (Optical Character Recognition)</b> | ICAO compliant travel documents in near infrared (IR) per ICAO 9303 specification Parts 1-4 (2 & 3-line MRZ)<br>Near ICAO compliant travel documents (e.g. French ID)<br>ISO-18013 driving licences (1-line MRZ)                                                                                                                                                                                 |
| <b>Imaging</b>                             | Glass platen: 0.2 in (4mm) thick toughened<br>Active scan area: 5 in x 4 in (131mm x 94mm)<br>Full-page: JPG, BMP, TIFF, PNG<br>Illumination sources: visible/white, near IR B900, UV LED's, coaxial illumination<br>Resolution: 800 DPI                                                                                                                                                         |
| <b>Barcode Reading</b>                     | Linear (1D): EAN / UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128<br>2D: IATA resolution 792, PDF417, Aztec, DataMatrix and QR codes                                                                                                                                                                                                                                       |
| <b>Contactless RFID Reading</b>            | 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)<br>Operating frequency: 13.56 MHz<br>Supported documents: ISO 14443 type A & B auto-detecting; secure and high-speed data transmission; MIFARE memory card support (MIFARE ultralight, 1K, 4K cards)<br>App. interface: PC/SC compliant device |
| <b>Secure Access Module</b>                | Number of ID-000 (SAM) slots supported: 1                                                                                                                                                                                                                                                                                                                                                        |
|                                            | ELECTRONIC                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Power Supply</b>                        | 12 VDC via DC jack                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Communication</b>                       | USB 3.1 (Compatible: USB 2.0), Bluetooth v5.0                                                                                                                                                                                                                                                                                                                                                    |
| <b>Host Minimum</b>                        | Core-i3 2.1 GHz & 4GB RAM                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Host Recommended</b>                    | Core-i5 3.3 GHz                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Supported Operating System</b>          | Windows 10 and above, 32-bit or 64-bit                                                                                                                                                                                                                                                                                                                                                           |
|                                            | PHYSICAL                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Dimensions</b>                          | 93 x 186.5 x 143 mm (H x L x W) [Module without hood and document clamp]                                                                                                                                                                                                                                                                                                                         |
| <b>USB 3.0 Cable Supplied</b>              | 4.9ft (1.5 m)                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Body</b>                                | Black PC/ABS                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Glass</b>                               | Rated to IK08 impact                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Weight</b>                              | 2 lbs. (750g) excl cable/PSU                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Security</b>                            | Kensington® security slot                                                                                                                                                                                                                                                                                                                                                                        |
|                                            | THERMAL (AIR)                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Temperature</b>                         | Operating 32°F to 122°F ( 0°C to 50°C)                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>                             | -4°F to 140°F (-20°C to 60°C)                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Humidity</b>                            | 0-95% non-condensing                                                                                                                                                                                                                                                                                                                                                                             |
|                                            | APPROVALS                                                                                                                                                                                                                                                                                                                                                                                        |
|                                            | EMC: FCC 47CFR Part 15 Subpart B Class A, EN 55032 Class B, EN 55035<br>Radio: FCC Part 15 Subpart C, EN 301 489-1, EN 301 489-3, EN 300-330, EN 300-328<br>Safety: IEC 62471 Exempt Class, EN62368-1                                                                                                                                                                                            |



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