



ID Document Readers

ENABLING EFFICIENT DIGITAL DATA CAPTURE AND
ID VERIFICATION



Use Cases for ID Document Readers

Every day, organizations face the critical challenge of verifying identities quickly and securely. Whether you're onboarding customers, managing visitors or ensuring regulatory compliance, the need for reliable ID verification has never been greater.

Advanced document reading technology is now transforming how businesses and government agencies verify identities. These devices help organizations protect against fraud, streamline operations and deliver better customer experiences.

From financial services to hospitality, from healthcare to retail, ID document readers are enabling secure and efficient identity verification and digital data capture across industries::



Citizen
Enrollment



ID Document
Issuance



Border
Management



Law
Enforcement



Voter
Registration



Self-Service
Systems



Know Your
Customer



Patient
Registration



Hotel
Check-in



Age
Verification



Visitor
Management



Tax
Refunds

Enable Secure and Efficient ID Verification With HID Document Readers

HID is a trusted leader in identity verification technology, with devices deployed by governments, global enterprises and security-conscious organizations worldwide.

Our document readers combine sophisticated image processing with RFID, NFC and barcode technologies to read all major identity documents, efficiently and securely:

- Passports
- ID cards
- Driving licenses
- Machine-Readable visas
- Biometric residence permits

Key Advantages

 Data Capture Accuracy Document-specific forensic tests improve data-reading accuracy of ID documents.	 Versatile Deployment Options to suit desktop use, kiosks and OEM integration	 Robust and Durable Proven to withstand years of frontline public use
 Enhance Customer Experiences Reduce wait times and boost your organization's reputation	 Reduce Compliance Risk Minimize risk with accurate digital records and data capture for audit readiness	 Simple Software Integration Transfer ID document data easily into 3rd party software and systems

HID ATOM™

Full Page Flatbed Document Imager and Electronic Machine-Readable Travel Document (eMRTD) Reader



ATOM is a state-of-the-art eMRTD reader that enables the capture of multiple high-resolution images in visible and infrared light (UV optional). Transaction times are fast, delivering better productivity and operational efficiency.

The ultra-low profile of ATOM allows for both desktop use and simple, elegant integration into countertops and kiosks.

Key features:

- **MRZ Reading** | Reads ICAO 9303 compliant documents, including ID cards, e-Passports and visas — plus ISO 18013 compliant driving licenses
- **QR/Barcode Reading** | Reads 1D/2D barcodes from smartphones, tablets and paper
- **Optional Contactless Capability** | ISO 14443 contactless RFID reader/writer supports ICAO LDS standards, including BAC, PA, AA, EAC and SAC

Typical applications



- **Government** | ID document and visa issuance, citizen ID enrollment, border management, law enforcement processes
- **Banking and Finance** | Know Your Customer (KYC) processes
- **Travel and Transportation** | Self-service check-in and bag drop kiosks, auto eGates
- **Hospitality and Gaming** | Age verification, ISO 31030 risk management, guest registration, VIP alerts
- **Retail** | Age verification, rental registrations, tax refunds
- **Enterprise** | Visitor and contractor management, Know Your Employee

[More information >>](#)

HID OCR316-E

OCR Swipe Reader with MSR



HID OCR316-E is a highly compact USB swipe reader that delivers fast, accurate bidirectional reading of machine-readable passports, visas, US and international resident permits and national ID cards.

The track length and single slot design are optimized to ensure that passports and ID cards are correctly aligned for consistency and accuracy.

OCR316-E can operate free-standing or be easily attached to monitors, keyboards, tablets or ultra-mobile PCs.

Key features:

- **MRZ Reading** | Reads from ICAO 9303 compliant documents including e-Passports, ID cards and visas as well as ISO 18013 compliant driving licenses
- **MSR Reading** | Reads loyalty cards, frequent flyer cards and credit and debit cards



Typical applications:

- **Government** | Voter registration, biometric enrollments, border management, law enforcement processes
- **Banking and Finance** | Know Your Customer (KYC) processes for Anti-Money Laundering (AML) programs
- **Travel and Transportation** | API reading at check-in desks, travel authorization
- **Hospitality and Gaming** | Age verification, ISO 31030 risk management, guest registration, VIP alerts
- **Retail** | Age verification, rental registrations, tax refunds
- **Enterprise** | Visitor and contractor management

[More Information >>](#)

HID OCR602

MRZ/RFID ID-1 Card Scanner with USB interface



OCR602 is a professional ID-1 card scanner that streamlines eID verification and digital data capture. This compact device combines fast OCR and RFID reading, making it perfect for space-constrained environments requiring high performance. USB-powered and ready out of the box, OCR602 quickly and accurately reads ID-1 documents with RFID chips and MRZs—including electronic national ID cards—without complex setup or staff training.

Key features:

- **Single-process verification** | Reads both MRZ and RFID chip data in one operation
- **Rapid data capture** | Extracts information from both zones in seconds
- **Compact design** | Minimal counter space required with small footprint
- **Deploys immediately** | Connects easily via USB
- **Integrates seamlessly** | Works with existing systems through SDKs

Typical applications:

- **Banking and Finance** | Know Your Customer (KYC) processes
- **Healthcare** | Patient registration, authentication for secure access to medical services and prescriptions
- **Telecommunications & Retail** | New subscriber enrollment and SIM registration
- **Elections & Government Services** | Voter ID verification



[More information >>](#)

Software Solutions

HID identity document readers can be easily integrated via a suite of software tools and applications.

ADRS

Our Access Document Reader Software (ADRS) enables standard document checks to be carried out on passports and eIDs as part of an ID document checking process. ADRS contains a front-end application for capturing images and Machine-Readable Zone (MRZ) text and barcode data, while simultaneously reading a contactless RFID chip and extracting biometric images.



Scan & Fill

The Scan & Fill application is our user-friendly tool that enables fields on web forms to be populated with data captured from Machine Readable Travel Documents without requiring any software development or integration.

VIZ OCR and Document Authentication

OCR (Optical Character Recognition) technology accurately retrieves biographic data elements from the Visual Inspection Zone (VIZ) found on IDs, DLs and travel documents. Supporting latin, non-latin and diacritical characters, OCR technology enables the quick and reliable capture of personal data, ready for entry into an electronic system.

Document authentication is achieved by digitally interrogating an ID document's printed security features. Multiple sophisticated techniques are applied to scanned images, including material response, geometry analysis and pattern matching. To help ensure the integrity of the personal information, multiple data elements are read and cross-checked including MRZ, VIZ and biometric chip data. .

SDK

Our document reader Software Development Kit (SDK) contains all the tools required to take advantage of the full functionality of HID identity document readers. The SDK contains all necessary DLLs, sample code, programmer guides and documentation to aid integration.

Further information

[Explore HID's ID document readers](#)

[Request a customized ID document reader recommendation](#)



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