EasyRead® Travel Document Reader

One-Step Identity Verification for e-Passports, Machine-Readable Passports and ID Cards

APPLICATIONS

For one-step travel ID applications where product reliability is essential:

Airports/Customs

- Provides on-the-spot verification of a person's ID via passport and other travel documents.

Border Patrol

- Protects borders by reading border crossing credentials and government-issued documents supporting US-VISIT and NEXUS Border Crossing programs.

Immigration

- Authenticates visas, national ID cards and other ID documents with contactless chips.

Non-travel applications

- Mobile identity and credential verification for corrections, law enforcement and emergency responders.
- Manned ID verification at entry points, gates and other remote access areas via contactless smartcard or driver's license.

Datastrip is there

From airports, railroads and border crossings to national ID verification around the world, Datastrip is there with its EasyRead® mobile devices.

The EasyRead is Datastrip's next-generation handheld device specifically designed to validate ICAO-compliant travel documents such as passports, visas and ID cards, and to verify document holders. The ergonomically designed unit reads the machine-readable zone (MRZ) and securely reads the sensitive electronic data from the document in one pass. The EasyRead's 508-dpi capacitive fingerprint sensor provides instant verification of fingerprints stored in biometric passports. This versatile unit can also be used to verify the holder of other documents such as driver's licenses and national ID cards.

The EasyRead's high-capacity record storage and hot-swappable replacement batteries boost the unit's efficiency and reliability in the field. Offering a variety of expansion capabilities, the EasyRead can be connected optionally to remote databases via Bluetooth®, Wi-Fi and cellular networks.

The EasyRead™ captures both the MRZ and contactless chip information on passports and visas in one easy pass...

...providing verification in a matter of seconds.

EasyRead®
Features and Specifications

FEATURES

- One-step capture of MRZ and contact-less chips found on passports and visas
- Reads 1, 2 or 3 lines of ICAO-compliant MRZ data
- Integrated 508-dpi fingerprint sensor for on-the-spot biometric identity verification
- Hardware configuration flexibility for biometrics, smartcards and connectivity
- High-resolution color touchscreen display providing excellent clarity in low light and direct sunlight
- Hot-swappable field replacement batteries
- 32-key QWERTY keyboard
- High-capacity record storage

The EasyRead passport inspection software is designed to read and inspect first- and second-generation electronic passports in accordance with the International Civil Aviation Organization's 9303 standard and extended access control (EAC) specifications. The software provides cryptography, certificate and key management to access, capture and validate facial, fingerprint and iris images.

The EasyRead checks the authenticity of ePassports and verifies passport holders using protocols for Passive Authentication and Active Authentication, Basic Access Control and Extended Access Control.

SPECIFICATIONS

SIZE: Approx. 6.7" x 9.0" x 3.0" (170 mm x 229 mm x 75 mm)

WEIGHT: Approx. 3.1 lbs (1.42 Kg) with battery

OPERATING SYSTEM: Microsoft® Windows® CE.NET Version 5.0

PROCESSOR: AMD LX800 (x86), 500 MHz, integrated FPU

DISPLAY: 3.7" transflective color-reflective TFT (LED backlit) VGA LCD indoor/outdoor viewable, 640 x 480 pixels

MEMORY: 256 MB Flash, 256 MB DRAM (expandable)

FINGERPRINT SENSOR: FIPS 201/NIST SP 800-76 compliant, UPEK TCS1 508-dpi capacitive solid-state sensor, 8-bit grayscale 12.8 mm x 18.0 mm sensor area

KEYPAD: 37-key QWERTY keypad, 2 x 4 function keypad, 5-position joystick

SCANNER: Camera-based scanner, 4.88" x 1.65" read area

SMARTCARD INTERFACE: Supports ISO 14443 A/B contactless and optional ISO 7816 contact smartcards

ONBOARD INTERFACE: USB 2.0 Host: mini-A (x1), USB 2.0 Client: mini-B (x1), CF Type I/II external interface (x1), SDIO internal interface (x1)

DOCKING STATION INTERFACE: USB 2.0 Host: standard A (x2), USB 2.0 Client: standard B (x1), Ethernet: 10/100 RJ45 (x1), RS-232 DB9 (x1)

OPTIONS: Optical barcode scanner, mag stripe reader, docking station, third-party applications. Data and communications encryption options are available to protect sensitive files, including hardware encryption capabilities utilizing security access modules for digital signatures.

OPTIONAL INTERNAL WIRELESS FEATURES: 16-channel global positioning receiver, Wi-Fi 802.11 (b/g), Bluetooth®, Cellular GSM (GPRS/EDGE)

BATTERY: High-capacity rechargeable and user-replaceable Li-polymer battery. Standard battery provides 5000 mAh (up to 8 hours normal use).

POWER SUPPLY: AC adapter/charger: 100-240 V AC, 50-60 Hz
External power 11.4 to 19 V DC, power connector 1.7 mm DC power jack or docking station connector

ENVIRONMENTAL: IP54, exceeds MIL-STD 810F

Version: 02, 09/2009

DATASTRIP®

Field-Proven Mobile Identification

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