OCR640e Desktop
Full-page Document Imager & eMRTD Reader

Fast, accurate, reliable, multi-illumination, full-page desktop MRZ, RFID and 1D/2D barcode reader

Description

The OCR640e Desktop is a full-page, multi-illumination ePassport reader. It captures ultraviolet and infrared images as well the full page of a passport in colour.

In a simultaneous single action the reader also decodes the machine readable zone (MRZ) and processes RFID data – including the holder's image – from the chip.

The OCR640e automatically detects when a document with machine readable data has been presented. Additionally, it is able to compensate for out-of-position MRZ data, so that the advanced recognition engine reliably provides highly accurate and very fast document reading capability, allowing large volumes of documents and smart cards to be processed quickly and efficiently.

The unit features blue, amber, green and red LED lights to keep the user informed of status from ready to scan, through to processing and successful scan; or to indicate that there is an issue with the document. The unit can also be programmed to provide audible feedback to confirm a successful read, signal premature removal of a document and flag a variety of data details.

The OCR640e has a compact, robust design and is designed for years of heavy-duty, frontline use.

Photograph

OCR Viz

1D & 2D barcodes

MRZ

*The OCR640e reads
a variety of identity documents*

Features

- Captures high-resolution images in multiple wavelengths – Visible, IR and UV
- Reads MRZ from ICAO 9303 compliant documents, including Passports, e-Passports, ID cards and Visas as well as ISO 18013 compliant driving licences
- ISO 14443 contactless RFID reader/writer supports ICAO LDS standards, including BAC, PA, AA, EAC and SAC
- Read 1D/2D barcodes from smartphones, tablets and paper-based documents.

Applications

- Border control, immigration and law enforcement
- Document and visa issuance
- Banking and mobile network operators (KYC & AML)
- Gaming and liquor stores (age verification)
- Tax refunds and money exchange (data capture)
- Hotel, airport and car rental check-In.

	Visible Light	UV Light	IR Light	RFID Read	Barcode Read
OCR640-N-Desktop	✓	✓	✓		
OCR640-NB-Desktop	✓	✓	✓		✓
OCR640-E-Desktop	✓	✓	✓	✓	
OCR640-EB-Desktop	✓	✓	✓	✓	✓

Access IS
www.access-is.com

Examples of capabilities

PASSPORT INFORMATION

|	
Last name	ELLIS
First name	TIM
Date of birth	01/01/1970
Expiry date	08/12/2020
Nationality	CANADIAN
Document No.	PMG920909

Photo   Fingerprint

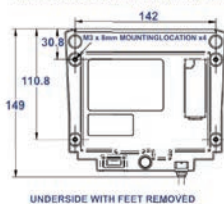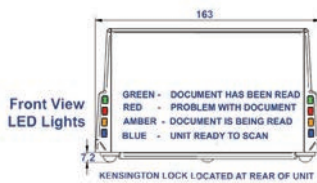Colour   Ultraviolet (UV)   Infrared (IR)
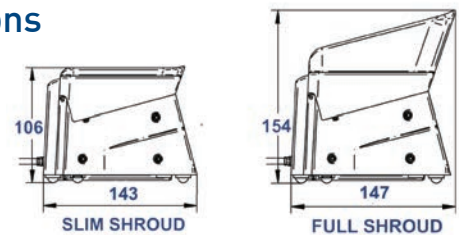
DOCUMENT AUTHENTICATION

✓ Genuine Document

eMRTD SECURITY

- Basic Access Control
- Chip Authentication
- Active Authentication
- Passive Authentication
- Terminal Authentication
- Extended Access Control
- Supplemental Access Control

Hardware dimensions

Front View LED Lights

GREEN - DOCUMENT HAS BEEN READ
RED - PROBLEM WITH DOCUMENT
AMBER - DOCUMENT IS BEING READ
BLUE - UNIT READY TO SCAN

KENSINGTON LOCK LOCATED AT REAR OF UNIT

UNDERSIDE WITH FEET REMOVED

Shroud options

SLIM SHROUD   FULL SHROUD

Specifications

MRZ reading

Standard OCR fonts: OCR-B

Machine readable passports (MRP): 2 lines of 44 characters to ICAO 9303

Machine readable visas (MRV): 2 lines of 44 characters, 2 lines of 36 characters to ICAO 9303

Travel documents: 2 lines of 36 characters, 3 lines of 30 characters

Imaging

Glass Platen: 4mm Toughened Conturan

Active scan area: 132mm x 88mm

Full-page: JPG, BMP, TIFF, PNG

Illumination sources: visible/white, IR, UV LED's

Resolution: 400 DPI

Contactless RFID reading (variant)

Interoperability: ICAO DOC 9303, LDS1.7, 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)

Application interface: PC/SC compliant device

Barcode reading (option)

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 *

* Full list of supported barcodes available upon request

Mechanical

Size: 163W x 147D x 154H mm

Body: Dark grey ABS

Glass: BS EN60068-2-75 & IEC 62262:2002, rated to 6.375J impact

Weight: 850g

Security: Kensington® security slot

Power supply

+24 VDC via DC jack

Communications & host

Communication: USB 2.0 high speed

Host: Windows 7 & above, Win 32/64 bit; Pentium-4 3GHz and 2GB RAM minimum

Environmental

Temperature: Operating 0 OC to 50 OC Storage: 0 OC to 60 OC

Humidity: 0 to 95% non-condensing

Approvals:

FCC 47CFR Part 15 Subpart B Class A, EN 55022 Class B, EN 55024, FCC 47CFR Part 15 Subpart C, ETSI EN 302 291, EN 60950-1

Variant

OCR640n Desktop: As OCR640e but without RFID functionality

Option

Barcode Reading: 1D/2D

Slim Shroud: Low profile, open-faced

Airports & Airlines
Worldwide: +44 (0) 118 966 3333
Americas: +1 770-645-2771

Identity & Security
Worldwide: +44 (0) 118 966 3333
Americas: +1 703-403-6848

Transport & Ticketing
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