OCR310e

Miniature OEM OCR Reading Engine

COMPACT FOR OEM FLEXIBILITY

The OCR310e is an optical character recognition (OCR) swipe reader module. Combining ultra-compact size and low-power consumption, the OCR310e is designed to be integrated into third-party, hand-held devices for applications such as portable identification verification devices.

ACCURATE AND FAST

An OCR decoder is integrated within the device using an advanced recognition engine to provide highly accurate and very fast document reading.

READS ALL ID DOCUMENTS

The OCR reading engine captures code lines from machine readable passports (MRP), visas (MRV), US and international resident permits as well as European and other national ID cards conforming to ICAO 9303 & ISO/IEC 7501-1 (2 and 3-line MRZ). It will also read the new ISO/IEC 18013-1 driving licenses (1-line MRZ), making it future-proofed.

FLEXIBLE PERFORMANCE

In addition, APACS debit and credit documents (APACS standards 3.1 and 3.2, respectively) can be read together with E13B, OCRB and mixed E13B and OCRB fonts.

DEVELOPER'S KIT

A developer's kit is available to assist in the integration of the OCR310e into OEM equipment. The kit comprises one OCR310e device, two development boards (one USB and one RS-232), all cables, utilities and documentation.
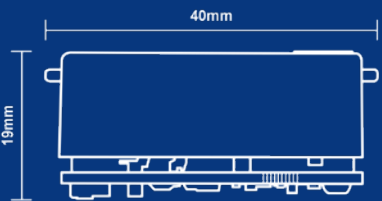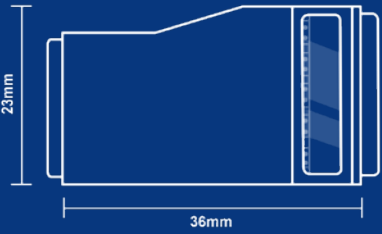
APPLICATIONS

- Police identification checking
- Queue-busting at airport check-in
- Security checks at airport boarding gates
- AQQ and APIS generation & Kiosks

FEATURES:

- Miniature Package - Very compact design with low power consumption and sleep mode
- Fast and Accurate - established OCR decoding technology ensures speed and accuracy
- Documents Read - Reads passports, visas and travel cards conforming to ICAO9303 & APACS debit/credit documents, E13B & OCRB font
- Simple Integration - Developer's kit available and choice of serial or USB interfaces (CDC, HID or keyboard emulation)
- Intuitive Use - Bidirectional OCR read

HID

OCR310e

FEATURES

Connection Types

- USB
- RS232

Reader Size

- Swipe

Technology

- **ABC** OCR /MRZ

OCR310e	
READING CAPABILITIES	
OCR (Optical Character Recognition)	Standard OCR fonts: OCR-B Machine readable passports (MRP): 2 lines of 44 characters Machine readable visas (MRV): 2 lines of 44 characters, 2 lines of 36 characters ID documents: 1 line of 30 characters, 2 lines of 36 characters, 3 lines of 30 characters MRZ swipe speed: up to 100cm/sec OCR decoding: up to 0.3 second Field of view object height: 19.6 mm nominal Depth of field: 1.5 mm maximum from imager window
ELECTRONIC	
Power	Input voltage: 3.3V +/-5% Current consumption: Max: <120mA Idle: <50mA Sleep: <30mA Suspend: <10mA
PHYSICAL	
Interface	Host interface: 3.3V serial, USB HID or USB keyboard output
Dimensions	1 x 1 x 1 in (36 x 23 x 19 mm)
Body	Black PC/ABS
Weight	1 oz. (16g)
Connection	Connector: 12-way, 0.5 mm pitch flat flexible ribbon (FFC); mating connector and cable available on request
THERMAL (AIR)	
Temperature	Operating 32°F to 122°F (0°C to 50°C)
Storage	32°F to 140°F (0°C to 60°C)
APPROVALS	
	Safety: EN 60950-1: 2006 EMC: FCC 47CFR Part 15 Class A EN 55022: 2006 + Amd 1: 2007 EN 55024: 1998 + Amd 1: 2001 + Amd 2: 2003

To learn more, please contact us at: **access-is@hidglobal.com**