

# LSR130 2D Bar Code Reader

**A 2D bar code imager and manual 4-track MSR, with optional OCR passport and e-passport reading ideal for duty-free shops and airport lounges.**

## Description

The LSR130 combines a 2D bar code imager with a manual four-track magnetic swipe reader, providing a robust and cost-effective solution for duty-free shops and airport lounges that typically handle 2D bar-coded boarding passes but have the occasional need to read ATB2 document.

The LSR130 has a high-speed omnidirectional bar code imager that reads travel documents face-up, allowing the agent to easily place the bar code in the target zone.

The imager is optimised for high throughput of airline and home-printed documents, and of bar codes on the displays of PDAs and cell phones.

The integrated four-track MSR has no moving parts, maximising reliability and minimising the cost of ownership.

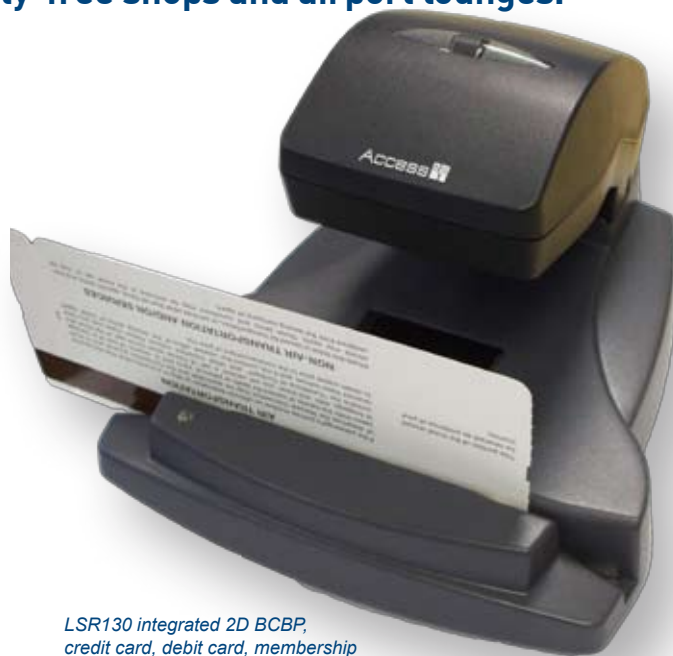
An option exists to integrate OCR swipe reading and RFID reading functionality capable of reading ICO9303 compliant passports and e-passports.

## Options

- Integrated RFID e-passport reader
- Integrated OCR reader



*LSR130 manual swipe reading an ATB2 boarding pass*



*LSR130 integrated 2D BCBP, credit card, debit card, membership card and ATB2 reader*

## Mag Swipe Features

- Bidirectional reading of ATB2 coupons, credit cards, debit cards and frequent flyer cards.
- 4-track manual swipe reader
- IATA ATB2 722C format T1, T2, T3, T4
- Highly serviceable; easy access to major components

## 2D Bar Code Imager Features

- Fast, omnidirectional 1D and 2D imager
- Reads on presentation of a document
- Reads IATA-recommended linear, PDF417, Aztec, DataMatrix and QR symbologies
- Large document throat allows bar code to be read from any position on an A4 page
- Reads 2D barcode images on PDA and cell phone displays
- Single RS-232 cable connection to host
- Audible and visible indicators

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Large document throat reads bar codes anywhere on A4 home printed documents



Easy-to-use MSR-channel design

## LSR130 2D Bar Code Reader with Manual 4-Track MSR and Optional OCR and RFID Reader

### Specifications

#### Customer/agent displays

**Visible/audible:** Bright, green indicator beacons and an audio sounder

#### Bar code reader

**Linear symbologies:** Code 128, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39 enabled as standard. Others can be enabled on request

**Stacked-linear and 2D symbologies:** PDF417, Aztec, Datamatrix and QR.

**Media:** All symbologies can be read from paper, including home-printed documents. Linear, Aztec, Datamatrix and QR symbologies can be read from PDA and cell phone displays

**Performance:** <1 second read capability

**Construction:** Compact and durable ABS enclosure with no moving parts

#### Magnetic swipe reader

**Compliance:** IATA ATB2 722C format, T1, T2, T3 & T4. AEA2002/PECTAB

**Media:** ATB2 tickets, 8" and 7 3/8", ATB wallet and ATB2 boarding pass (with or without stubs)

**Processing time:** Manual swipe processing/read less than 1 second

**Magnetic head life:** >1 million reads

**Construction:** Integrated within durable ABS enclosure

#### OCR swipe reader (optional)

**Machine readable passports (MRP) :** 2 lines of 44 characters

**Machine readable visas (MRV):** 2 lines of 44 characters, 2 lines of 36 characters

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

**OCR ticket data:** data printed in accordance with IATA Recommended Practice 1720a, including ATB-1 type 407-E, 1403M, OCRB, OCRA and IATA 2 of 5 bar code data

#### RFID reader (optional)

**Interoperability:** Passport booklets conforming to the global standards for interoperability by the ICAO9303 2005 (International Civil Aviation Organisation)

**Frequency range:** 13.56 MHz

**Reading technique:** ISO 14443-2, 3, 4

**Clock frequencies:** 3.58 MHz and 4.92 MHz supported

**Reading range:** up to 3 cm

**Chip technology:** ISO 14443-A/B

#### Interfaces

RS-232C 9600 or 19200 baud. Includes a cable with DB-9F connector

#### Dimensions (overall)

218L x 210W x 150H mm

#### Power supply

5V DC. Can be powered using either a 'USB Power Stealer' device or an external AC universal power supply (specify preference when ordering)

#### Environmental

**Temperature:** Operating 0°C to +50°C; storage 0°C to +60°C

**Humidity:** 0 to 95%, non-condensing

**Approvals:** FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1

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