

OCR32x Series OCR Document Reader

Compact optical character readers for check-in, gate and immigration at airports, banking and industrial applications.

Description

The OCR32x family of compact, dual-illumination OCR readers capture code lines in airport, finance and industrial applications.

In airports the OCR32x is compatible with leading common-use system software, and is intended to be used by airline staff at the check-in desk to accurately capture data for APIS applications. The OCR32x reads Machine Readable Travel Documents conforming to the international standard specified by ICAO in Document 9303, including Machine Readable Passports (MRP), visas (MRV), and OCRB encoded cards such as the US Resident Alien card and European national ID cards. For fraud prevention and reconciliation purposes, it can also capture OCR stock control numbers and ticket numbers printed on thermally printed ATB coupons and TAT documents as well as read the IATA 2of5 barcode ticket number.

In banking and finance applications the OCR32x is designed to read E-13B and OCR-B fonts used on cheques and has been integrated into many banking systems.

OCR32x devices are extremely compact. Optional mounting brackets are available to enable an OCR32x to be mounted at almost any angle and integrated into the smallest desk area.

Host connection is via a standard RS232 or USB interface through a detachable cable. The OCR32x is a low power device and can usually be powered from a PC keyboard or USB port, removing the need for an external power supply. An auxiliary RS232 port allows connection of a decoded barcode scanner.



OCR32x OCR document reader

Features

- Simple hand swipe operation with bidirectional read
- Compact design and very small footprint
- RS232 or USB interface
- Bi-colour LED and audible alarm providing good/bad read indication
- Firmware download / upgrade capability
- No moving parts
- Low power device: typically no external power supply required

Applications

- Airline passenger travel document reading at the check-in desk, the boarding gate and at immigration
- Machine Readable Passports, visas and travel documents conforming to ICA9303 standards
- Cheque (check) reading in bank and finance applications
- Industrial process control and automation

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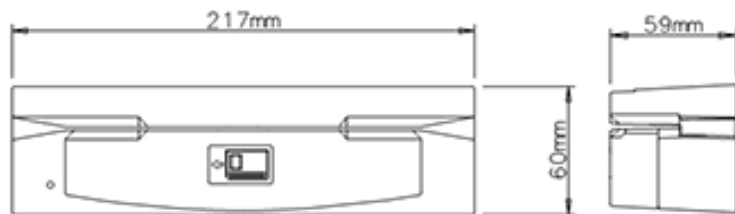
Product Selector

There are four standard models in the OCR32x range offering a choice of two colours and two interface options. All models include LED / audible read indicator and the capability to read machine readable passports (MRP), machine readable visas and other travel documents for example ID cards, together with cheques in banks and optical characters in industrial applications.

Part Number	Cool White	Dark Grey	RS232	USB
OCR320	Yes		Yes	
OCR321		Yes	Yes	
OCR322	Yes			Yes
OCR323		Yes		Yes

Further product variations are available on request: please contact our sales department to discuss your particular requirements.

Dimensions



OCR32x OCR Reader

Specifications

Read capabilities

Standard OCR fonts: OCR-B and E13B

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 barcode data

General

Colour: Cool white or dark grey

Dimension: 217W x 60D x 59H mm

Weight: 0.65 kg

Cable length: 2.5 m

Interfaces

Host interface - OCR320/321:
Bidirectional, RS232 by 9-way D-type

Host interface - OCR322/323:
USB 1.1

Electrical specifications

Power requirement: +5 VDC

Current consumption: <250 mA

Environmental

Operating temperature: 0°C to 50°C

Storage temperature: -20°C to 60°C

Approvals

Safety: Designed to meet UL 1950 /IEC950

RF/EMI: EN 55022 Class B, FCC Part 15, Subpart B, class A, BSMI EMC Class B

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