LSR120
2D Barcode Reader

High Performance, 2D Barcode Desktop Reader

Description

The LSR120 desktop barcode imager has been optimised for document scanning applications. The advanced 2D omnidirectional recognition engine has near-zero latency. It captures and reads barcodes instantly on presentation, in any orientation. Furthermore, the imager reads all popular linear, PDF417 and 2D symbologies, including QR codes.

The intuitive design is simple to use. The 2D imager reads documents face-up, enabling the user to easily present 2D barcodes. Additional user-friendly features include bright green LED visual indicators and a user-programmable audio beep to confirm successful data capture.

The LSR120 has been designed for demanding environments. Ruggedly constructed with no moving parts the devices are built to withstand years of frontline and public use.

The LSR120 can be configured to connect directly to a workstation or through an Access IS ATB42x series integrated keyboard. Serial RS232 and USB (serial or keyboard) interface versions are available.

The serial and USB versions of the LSR120 may be configured with data format settings as standalone devices, and the USB versions may additionally be configured to work with the power parsing language built into the Access 'Comserv' driver.

*LSR120 compact
omnidirectional 2D barcode reader*

The LSR120 quickly and accurately reads 2D barcodes presented on smartphones and tablets as well as paper

Features

- Fast, intuitive, omnidirectional imager with fixed focal distance
- Reads on face up presentation of a document
- Reads a wide range of symbologies including all IATA recommended 2D PDF417 and linear symbologies
- Large document throat allows home printed A4 documents to be readily scanned
- Able to read 2D barcode images on PDAs and mobile phone displays
- Single cable connection to ATB42x keyboard or host PC
- RS232 and USB (serial or keyboard) interface options
- FLASH upgradeable software
- Visible green light & audible good read indication
- Detachable cable
- Options for fixed position installation, offering greater security against theft
- Rugged, robust UK design and manufacture

Access IS
Interfacing Solutions

For further information email: sales@access-is.com or visit our website: www.access-is.com
All trademarks acknowledged. Specifications subject to change without prior notice. This literature is for outline information only.
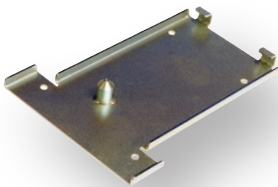
Connection Options

- The LSR120 can be pre-configured to connect to Access ATB42x series keyboards and OCR32x/34x desktop readers. No need to add extra serial ports to PC system units

- Access ATB422/423 series USB keyboards can power the reader directly, without the need for an external power supply

- Also available with configurations for direct connection to Common Use and dedicated airline workstations

LSR120 connects to ATB2 keyboards and desktop readers

Mechanical Connection Options

- The quick-release bracket allows the quick installation of the LSR120 into a secure base which prevents it from being accidentally knocked out of position or easily stolen or removed

Common linear barcodes

EAN / UPC, Interleaved 2 of 5, Industrial 2 of 5, IATA 2 of 5, Code 39 and Code 128

CODE 128

PDF417 2D stacked barcode

The sample PDF417 barcode below contains the Access address

Aztec 2D barcode

The Aztec barcode below contains sample boarding pass details

LSR120 2D Barcode Reader Specifications

Configured to read the following symbologies

Linear: 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

Interface options: RS232 and USB (serial and keyboard)

Performance: Will read in full sunlight, and also read 2D barcodes from cell phone displays

Mechanical/Electrical

Dimensions: 18L x 10W x 10H cm

Weight: 174 g

Power: 4.5 to 5 VDC

Current (Typical): 310 mA

Colour: Dark grey

MTBF: 85,000 hours

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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Access IS
Interfacing Solutions