LSR120
2D Barcode 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.

Features

• Fast, intuitive, omnidirectional imager
• Reads a wide range of barcodes including all IATA recommended 2D PDF417 and linear symbologies
• Large document throat allows A4 documents to be readily scanned
• Able to read 2D barcode images presented on smartphone, smart watch and tablet displays
• Single cable connection to ATB42x keyboard or host PC
• RS232 and USB (serial or keyboard) interface options
• Visible green light & audible good read indication
• Bracket options for fixed position installation, offering greater security
• Rugged, robust UK design and manufacture.

Applications

• Airport & airline boarding gates and security
• Prevention of customer identity fraud, such as verifying address barcodes on utility bills
• Anti-fraud and anti-money laundering for banks, building societies and attorneys/solicitors.
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.

Quick-Release Bracket

- 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 stolen.

Specifications

Configured to read the following symbologies
Linear: EAN, UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39 and 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 (LWH): 187 x 116 x 115mm
Weight: 615 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

Common linear barcodes
- EAN / UPC, Interleaved 2 of 5, Industrial 2 of 5, IATA 2 of 5, Code 39 and Code 128

PDF417 2D stacked barcode
- The sample PDF417 barcode below contains the Access address

Aztec 2D barcode
- Sample Aztec barcode

All trademarks acknowledged. Specifications subject to change without prior notice. This literature is for outline information only. Ver: 1.7 October 2018