

LSR110

Mobile Phone 2D Bar Code Imager

Access' LSR110 is designed to read bar code symbols from the displays of mobile phones and PDAs.

Description

Intuitive to use, the LSR110 operates on presentation of a mobile phone or PDA displaying a bar code. The high performance 2D omnidirectional bar code imager captures bar codes within a second of presentation in any orientation. A bright green indicator and sounder confirm a good read. Ruggedly constructed with no moving parts the devices are built to withstand years of use.

The LSR110 may also be configured with data format settings. Serial RS232 and USB (serial or keyboard) interface versions are available.

The LSR110 imager reads all popular linear, PDF417 and 2D symbologies. It can be configured to connect directly to a workstation or through an Access ATB42x series integrated keyboard.



LSR110 fixed position omnidirectional bar code reader

Features

- Fast, intuitive, imager with fixed focal distance
- Reads on face-down presentation of a mobile device
- Reads 2D, PDF417 and linear symbologies
- Can operate as conventional scanner of printed bar codes
- Single detachable cable connection to host PC
- RS232 and USB (serial or keyboard) interface options
- FLASH upgradeable software
- Visible green light & audible good read indication
- Options for rugged fixed position kiosk installation



Applications

- Last minute offers
- Event ticketing
- Rail and air transport tickets
- Loyalty account reference
- Internet order confirmation

Delivering targeted offers and information to customers via their mobile phone can help drive increased retail sales. Mobile users rarely leave home without their phone and so it is a sure way of gaining their attention.

Access' LSR110 device is a responsive and fast device designed to allow an untrained member of the general public to read bar codes from mobile phones.

As mobile devices with multimedia capability become widely adopted, retailers will be able to use mobile coupons as a low cost and dynamic way to attract customers. Vouchers can be delivered to a targeted sample of loyal customers or downloaded on request from a web site.

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Access 
Interfacing Solutions

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Bar Code Symbologies

For many years, the auto-id industry has standardized on several linear bar codes. It is now becoming increasingly common for PDF417 2D stacked and 2D symbology codes to be used where more information is required to be read from a bar code.

PDF417 has Error Correction options that allow the bar code to be read even if part of it has been destroyed or marked. Pixel based 2D bar codes, such as Aztec symbology are ideal for downloading to a cell phone display.



Common Linear bar codes

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



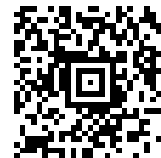
PDF417 - 2D stacked bar code

The sample PDF417 bar code below contains our address



Aztec - 2D bar code

The Aztec bar code below contains sample boarding pass details



LSR110 Mobile Phone 2-D Bar Code Imager

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

2 Dimensional: PDF417, Aztec, DataMatrix and QR codes

Interface options: RS232 and USB (serial and keyboard)

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

MTBF: 85,000 hours

Mechanical/electrical

Dimensions: Length: 12 cm

Height: 7 cm

Width: 9 cm

Weight: 120g

Power: 4.5 to 5 VDC

Current (Typical): 310mA

Colour: Dark grey

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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