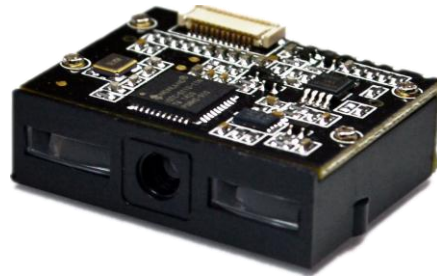


FalconPro

Barcode Recognition Engine FP-BSM1825



Application scenarios:

FP-BSM1825 is a barcode scanner engine, designed to provide applications in a variety of product categories for customers, the high-performance CCD engine can be embedded in various reading devices as barcode reading application, kiosk, ticket machines, PDA etc..

Product features:

High integration degree

Image acquisition and decoding board are integrated in whole, small size, light weight, easy to integrate.

Low power

It is the ideal choice for battery power supply and other mobile devices.

High reading

Integrated high performance decoder has fast decoding and high accuracy recognition ability.

Strong durability

Easy to carry out functional configuration.

Contact:

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FP- BSM1825 Technical parameter

Reading performance

Reading mode	CCD
Resolution	2500
Providing light	LED(610 nm - 640nm)
Decoding speed	Maximum up to 300 times per second
Symbologies	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, ISSN, ISBN, Codabar Code 93, F-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, S1 Databar, Code 11, MSI-Plessey, Plessey
Print contrast	≥30%
Reading accuracy	≥5mil (PCS is 0.9, the scan bar code is Code39)
Lean	±65°@ 0°Roll and 0°Skew
Rotate	±30°@ 0°Pitch and 0°Skew
Deflection	±60°@ 0°Roll and 0°Pitch

Mechanical / Electrical properties

Module size (L x w x h)	27.0mm(±0.5mm)×21.9mm(±0.5mm)×9.2mm(±0.5mm)
Module weight	5.5g
Data interface	TTL-232
Working voltage	DC 3.3 V
Working current	73mA±10%
Standby current	7.4mA

working environment

Working temperature	-20°C--+60°C
Storage temperature	-40°C--+85°C
Relative humidity	5% - 95% (No condensation)
Ambient light	0 - 100000 LUX

The range of depth

Code system	Bar Code Density	Reading depth
Code39	3.3 mil	60mm-150mm
Code128	5 mil	45mm-240mm
Code128	7.5 mil	50mm-270mm
ITF14	10 mil	50mm-500mm
EAN13	15 mil	50mm-600mm

Product performance may vary due to barcode quality and environmental conditions.

List of accessories

Development board	FP-EVK2366
USB, RS232	For connecting the development board and data receiving host

*Specifications are subject to change without prior notice.

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