

FalconPro

Barcode Recognition Engine FP-BSM3601 2D Barcode recognition Engine



Application scenarios:

FP-BSM3601 is a Mini 2D barcode recognition engine, using the world's leading chip intelligent image recognition technology, can read all kinds of mainstream 2D barcode and 1D barcode, very suitable for embedded products in various industries, such as the use of PDA, POS, tablet devices and all kinds of light equipment.

Product features:

Core technology

Using the international advanced core decoding technology, can fast read all kinds of bar code quality

Clear aiming mode

Clear cross aim mode to ensure accurate bar code scan

Ultra small size

Decoder board and camera integrated design, small to the extreme, easily embedded in all kinds of light equipment.

Low-power

Adopting core technology greatly reduces power consumption and prolongs equipment usage.

Contact:

Falcon Technology Co., Ltd

Address: 301-15, 3F, 800 Naxian Road, the Pudong New Area.

Phone: (86) (21) 58995992 E-mail: Sales@falconpro.cn

Website: www.falconpro.cn

*Specifications are subject to change without prior notice.



FP- BSM3601 Technical parameter

Reading performance

Image sensor		640×480 CMOS
Light		White LED 625±10 nm
	2D	PDF417, QR Code, Data Matrix
Symbologies	1D	Code128, UCC/EAN-128, AIM 128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Matrix 2 of 5, Industrial 25, Standard 25, Code39, Codabar, Code 93, Code 11, Plessey, MSI- Plessey GS1-DataBarTM(RSS), (RSS-14, RSS-Limited, RSS-Expand)
Reading accuracy		≥5mil
Print contrast		≥30%
Sensitivity		Rotate360° lean:±45°deflection:±45°
Fov		Lever40°, vertical28°

Mechanical / Electrical properties

Module size (L × w × h)	16.9mm (±0.5mm) × 14mm (±0.5mm) × 8.7mm (±0.5mm)
Module weight	3.0g
Data interface	TTL-232
Working voltage	3.3VDC
Working current	203mA±10%
Standby current	40mA

working environment

Working temperature	-20°C-+60°C
Storage temperature	-40°C-+80°C
Relative humidity	5% - 95% (No condensation)
Ambient light	0 - 100000 LUX

The range of depth

Code system	Bar Code Density	Reading depth
Code39	5 mil	45mm-75mm
EAN13	13mil	55mm-175mm
PDF417	5 mil	50mm-80mm
Data Matrix	10mil	40mm-90mm
QR Code	15mil	50mm-155mm

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

FalconPro

*Specifications are subject to change without prior notice.