

# Fixed 1D/2D Barcode Scanner Module

(Model No.: OCBS-F2100)

## FEATURE:

- n High performance imaging technology;
- n Omni-directional scanning, easy to scan;
- n High compatibility for all major 1D and 2D symbols;
- n Can read the barcode on the screen and color barcode;
- n 4mil excellent scanning accuracy ;
- n Multi interfaces optional;

## SPECIFICATION:

### Performance Characteristics

Function	
Light source	White LED
Beep Indicator	Supported Green LED, beep
Scan performance	
Sensor	CMOS
Resolution	640*480, 256 gray levels
Maximum decoding speed	13mil UPC 40cm/s
Reading angle	horizontally 50 deg; vertically 20 Deg
Precision	≥4mil
Decode capability	1D 2D
Depth of field	Code 39(5mil) □ 50mm~120mm Code 39(10mil) □ 25mm~250mm UPC/EAN (13mil) □ 20mm~320mm Data Matrix(7.5mil) □ 63mm~150mm PDF417(6.6mil) □ 62mm~145mm
Sensitivity	Inclination ±45° @ 0° Roll and 0° Skew Rotation ±30° @ 0° Pitch and 0° Skew Deflection ±45° @ 0° Roll and 0° Skew
Electrical	
Interface	USB, USB COM(virtual serial port)
Input Voltage	3.3v~5v DC
Standard Power	2.0w (400mA)
Max Power	2.5w (450mA)
DC adapter	Max 5.5V 1A
LED CLASS	Class I
EMC Test	FCC part15, IEC60825-1, EN55022 Class B
User Environment	
Operate Temperature	-20 deg C ~ +60 deg C (-4 Deg F to 144 deg F)
Storage Temperature	-30 deg C ~ +70 Deg C (-22 Deg F to 158 deg F)
Humidity	5% - 95%(non- condensation)
Drop resistance:	1.5m (5.0ft) drops to concrete
Light intensity	Working: sun lights, fluorescent lights

Interface definition			
PIN NO.	IN/OUT	Interface Definition	Description
1	---	NC	Vacant
2	Power	VCC	3.3V DC Input
3	Ground	GND	GND
4	Input	RX	Serial data input

5	Output	TX	Serial data output
5	Input	D-	USB data input
7	Output	D+	USB data output
8	---	NC	Vacant
9	Output	BEEPER	Buzzer output signal
10	Output	DLED	Decode success indicator
11	---	NC	Vacant
12	Input	TRIG	Automatic sensing trigger signal

### Dimensiondiagram

