

ITDB-100

IoT High Speed 2D Barcode Reader



Features

- » Support remote monitoring and control via Android phones and tablets
- » Connection I/O interface: USB, Ethernet TCP/IP
- » Support hardware and software trigger modes, both with one shot, series shot, batch and presentation options
- » Automatic or manual CMOS sensor configuration: exposure, gain and brightness options supported
- » LED: External / Internal
- » Image: Capture
- » Image Format: BMP
- » Region of Interest setting
- » Firmware upgradable via USB / Ethernet
- » Other Configurations: Decode Timeout / Decode Interval

Specifications

Appearance	
Dimension	89.8 mm x 62 mm x 32 mm
Net Weight	290 g (without mounting bracket)
Front cover	Transparent plastic
Housing	Die-casting aluminum
Housing color	Silver
认证	
Shock Resistance	EN 60068-2-27 (2009-05)
Vibration	MIL-STD-810F 514.5C-1 and IEC-60068-2-06
环境	
操作温度	0°C ~ 50°C
存储温度	-10°C ~ 60°C
Ambient light safety	2,000 lx, on code
Permissible relative humidity	90% (non-condensing)
RoHS compliant	yes
I/O 接口	
网络	1 x LAN (Ethernet data transmission rate: 10/100 M-bit/s)
I/O接口	1 x Micro USB 2.0 (USB 2.0 data transmission rate: 480 M-bit/s)
	1 x Trigger connection (1 x 6-pin connector for trigger connection)
Control button	1 x Trigger & Tuning (Trigger and tuning control button)
Indicator	1 x Acoustic Indicator (Beeper)
	1 x Power Indicator
Others	
Power Consumption	Max 9.9 W
Power Supply	1 x Operating voltage (12V/3.3A ,1*DC in jack(Ø2.5/Ø5.5))
Power Comsumption	1 x Power on (7.7 W)
Software Support	
SDK	1 x Windows
	1 x Software (:AP (without source code): Provide software installer to use directly)

OS Compatible	1 x Microsoft Windows 10 32-bit (via network connection)
	1 x Microsoft Windows 7 32-bit
	1 x Microsoft Windows 7 64-bit
	1 x Microsoft Windows 8.1 32-bit
	1 x Microsoft Windows 8.1 64-bit
	1 x Microsoft Windows 10 64-bit (via network connection)
Light Source	
Illumination	2 x Red LEDs
	Visible red light ($\lambda = 650 \text{ nm} \sim 660 \text{ nm}$)
Lens Specifications	
Code resolution	ITDB-100L: $\geq 0.33 \text{ mm}$
	ITDB-100HD: $\geq 0.2 \text{ mm}$
Focus	Fixed
Reading distance	ITDB-100L: 50 mm ~ 330 mm
	ITDB-100HD: 20 mm ~ 52 mm
Sensor Specifications	
Resolution	752 x 480
Acquisition	Max. rate 60fps
CMOS	1/3 inch CMOS with global shutter
Symbologies	
1D	1 x Codabar
	1 x Code 128
	1 x Code 39
	1 x Code 93
	1 x Interleaved 2 of 5
	1 x MSI
	1 x UPC/EAN ((ISBN, UPCA, UPCE, UPCE1, EAN13, EAN8) with supplementals)
	1 x EAN128
2D	1 x Data Matrix
	1 x Micro PDF417
	1 x Micro QR Code
	1 x PDF417
	1 x QR Code
Trigger Connector	
Absolute voltage limits	4.5VDC ~ 24VDC
Input of Interrupt Trigger Current	1.4mA@5VDC, 4mA@12VDC, 6.2mA@18VDC
Output of LED Flash Trigger Current	8mA
Output of LED Flash Trigger Voltage	3.3VDC
Recommended operating voltage	5VDC ~ 18VDC

Ordering Information

ITDB-100HD-R10	Image-based code reader system with 1D, 2D decoding code types; 752x480; 2LEDs, Reading distance (at code resolution): 20mm ~ 52mm, 12VDC Input, RoHS, I/O with 1xUSB2.0, 1xDC jack ($\varnothing 2.5 \times \varnothing 6.3$), 1x ethernet 1x6-pin trigger port, 1x trig button
ITDB-100L-R10	Image-based code reader with 1D, 2D decoding code types; 752x480; 2xLED, Reading distance (at code resolution): 50mm ~ 330mm, 12V DC Input, RoHS, I/O interface with 1xUSB 2.0, 1xDC jack ($\varnothing 2.5 \times \varnothing 6.3$), 1x ethernet 1x6-pin trigger port, 1x trigger button.

Packing List

1 x ITDB-100 Series: ITDB-100L-R10/ ITDB-100HD-R10	1 x Power Adapter (P/N: 63000-FSP040DGAA1106-RS)
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1 x Power Cord (US) (P/N: 32701-000700-100-RS)	1 x Power Cord (EU) (P/N:32702-000200-100-RS)
1 x Micro USB Cable (P/N:32001-016100-100-RS)	1 x Ethernet Cable (P/N:32000-113100-RS)
1 x Mounting Bracket (P/N:42010-0172E4-00-RS-N)	1 x Mounting Bracket Screw(P/N:44045-020061-RS)
1 x Trigger Connection Cable (P/N:32125-008200-100-RS)	1 x User Manual