

# 1D CCD Scan Engine Barcode Reader YT-ER20



## Description

YT-ER20 is the first generation miniature CCD scan engine made by Yumite with the same compact form factor and upgraded 32-bit microprocessor. The new model has a sharper scanning performance and supports standard serial, USB interface, and USB virtual COM port.

It can be easily integrated without modifying existing hardware platform in most cases. Featuring one of the smallest footprints available and two mounting holes reserved, YT-ER20 is designed for effortless integration into most data capture applications.

## Yumite Promise You



## Specification

Optical Source	620nm Visible red light diode	
Imaging Sensor	CCD	
Resolution Ratio	2500 pixel	
Image Resolution	≥ 5mil	
Minimum Contrast	≥ 30%	
Barcode Types	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Databar etc.	
Decoding Speed	280times/s	
Barcode Sensitivity	Tilt	±55°
	Rotate	±25°
	Deflection	±75°
Data Interface Port	FPC flat cable □ separation distance □12*0.5mm	

Mechanical and Electric Performance		
Size(Length x Width x Height)	33.7×25.8×9.9mm	
Weight (except cable)	9g	
Indicator	buzzer and LED light	
Max.Power	400mw	
Working Voltage	DC5V	
Current	Max.Current	80ma
	Working Current	74ma
	Stand-by Current	24ma
	Sleeping Current	—
Accessory List		
Data line	USB data line	
	RS232 data line	
Environmental Parameter		
Storage Temperature	-40°C ~ 60°C	
Working Temperature	0°C ~ 50°C	
Relative Humidity	0 ~ 95%	
Certificates		
CE,RoHS,EMC,LVD□ISO9001:2008□ISO14001:2004		



INGER CERTIFICATION ASSESSMENT SERVICES



## CERTIFICATE OF REGISTRATION

Certificate No.: 117 14 QU 0252-12 R05  
This is to certify the quality management systems of

### Shenzhen World Reputation Electronics Technology Co., LTD

Organization code 30608924-7

Location 6E, Xingqiang Commercial Mansion, No. 1 Dezheng Road, Shilong Community, Shiyuan Street, Baoan District, Shenzhen

has been assessed and registered as meeting the requirements of  
**ISO9001:2008**  
Scope of approval  
**R&D, Production of Barcode Scanning Identification Equipment**

Signed by:  Approval Date: 26 Dec. 2014  
Expiry Date: 25 Dec. 2017




Shenzhen Inger Certification Assessment Services Co., Ltd.  
11th Floor, 1001 Zhongyuan Road, Nanshan District, Shenzhen, P.R. China  
Tel: +86-755-26210000  
Fax: +86-755-26210001  
Web: www.inger.com.cn  
Add: Room 602, Building 602, 1001 Zhongyuan Rd., Nanshan District, Shenzhen, P.R. China, 518051

The certificate information can be checked on the CMA website: WWW.CMA.GOV.CN. The validity of the certificate also can be obtained through www.inger.com.cn or by calling INGER client services Dept. This certificate is only valid when used together with original printed seal. Attention: This certificate holder shall successfully pass yearly performance audit to maintain the validity of the certificate after the certificate approval date. The Certificate holder has the property of IAF, to refuse it must be informed of the management system of the certificate holder is approved to fail to be in conformity with the certification standard.

INGER CERTIFICATION ASSESSMENT SERVICES



## CERTIFICATE OF REGISTRATION

Certificate No.: 117 14 E1 0296 R05  
This is to certify the environmental management systems of

### Shenzhen World Reputation Electronics Technology Co., LTD

Organization code 30608924-7

Location 6E, Xingqiang Commercial Mansion, No. 1 Dezheng Road, Shilong Community, Shiyuan Street, Baoan District, Shenzhen

has been assessed and registered as meeting the requirements of  
**GB/T24001-2004/ISO14001:2004**  
Scope of approval  
**The Related Environmental Management Activities of R&D, Production of Barcode Scanning Identification Equipment for Shenzhen World Reputation Electronics Technology Co., LTD Located in 6E, Xingqiang Commercial Mansion, No. 1 Dezheng Road, Shilong Community, Shiyuan Street, Baoan District, Shenzhen**

Signed by:  Approval Date: 26 Dec. 2014  
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# Certificate of Compliance

Certificate Number: UN2014122403RC-3

**Applicant** : Shenzhen World Reputation Electronics Technology Co., Ltd.  
6F, B Building, B Area, Xingqiang Business Building, No.1, Dezheng Road, Shilong Community, Shiyan, Bao'an District, Shenzhen

**Manufacturer** : Shenzhen World Reputation Electronics Technology Co., Ltd.  
6F, B Building, B Area, Xingqiang Business Building, No.1, Dezheng Road, Shilong Community, Shiyan, Bao'an District, Shenzhen

**Product** : Bar-code Scanner

**Trade Name** : Yumita

**M/N** : YT-1000, YT-760, YT-760A, YT-760B, YT-M200, YT-1100A, YT-1100B, YT-M300, YT-2000, YT-2100A, YT-2100B, YT-M400, YT-XXXX

Test Standard: IEC62321:2013

The EUT described above has been consolidated by us and found in compliance with the council RoHS Directive 2011/95/EU. It is only valid in connection with the test report number: UN2014122403RR-3.

2014-12-24

Date of issue

**Shenzhen United Testing Technology Co., Ltd.**  
Room 317-319, Block 1, University Town Technology Park,  
5<sup>th</sup> Zone, South Section, Hongshuang Industrial Park,  
Nanshan District, Shenzhen, PRC, 518055  
Tel: +86-755-88130096 Fax: +86-755-88180138  
<http://www.utl.com.cn> E-mail: [info@utl.com.cn](mailto:info@utl.com.cn)



# RoHS



# EC-R&TTE Certificate

Certificate Number: UN2014122403REC-1

**Applicant** : Shenzhen World Reputation Electronics Technology Co., Ltd.  
6F, B Building, B Area, Xingqiang Business Building, No.1, Dezheng Road, Shilong Community, Shiyan, Bao'an District, Shenzhen

**Manufacturer** : Shenzhen World Reputation Electronics Technology Co., Ltd.  
6F, B Building, B Area, Xingqiang Business Building, No.1, Dezheng Road, Shilong Community, Shiyan, Bao'an District, Shenzhen

**Product** : Bar-code Scanner

**Trade Name** : Yumita

**M/N** : YT-1300, YT-860, YT-1200, YT-1400, YT-1600, YT-2200, YT-2300, YT-2400, YT-2500, YT-XXXX

Essential requirement	Applied Specifications/Standards	Documentary Evidence	Result
Art.3.1(a) Health	Not assessed		
Art.3.1(a) Safety	EN60950-1	UN2014122403ER-1	Pass
Art.3.1(b) EMC	ETSI EN301 489-1/3	UN2014122403ER-1	Pass
Art.3.2 Radio	ETSI EN300 440	UN2014122403ER-2	Pass

The EUT described above has been tested by us with the listed standards and found in compliance with the council R&TTE directive 99/5/EC. It is possible to use CE marking to demonstrate the compliance with this Directive.

The scope of evaluation relates to the submitted documents only.

2014-12-24

Date of issue

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# CE



# Factory

