Fixed Industrial Scanner

VER. 20261012

ZX-3050 NEW

Fixed Image Scanner





2D | IP CODE | Rugged | Auto Focus

ZX-3050 is designed to deliver fast, accurate, and reliable barcode scanning performance for demanding applications. Equipped with a powerful quad-core processor and ultra-high-speed autofocus powered by Tlens®, it ensures rapid capture and precise decoding across various barcode types. The intelligent dual-source illumination system automatically adapts to different scanning conditions, while one-touch setup simplifies installation and operation. With IP65-rated protection and a wide 50–1000 mm working distance, ZX-3050 provides outstanding flexibility and durability, making it an ideal solution for retail, logistics, automation, and industrial environments requiring efficient and dependable barcode identification.

- Quad-core processor for superior decoding performance
- Ultra-high-speed autofocus powered by Tlens®
- One-touch intelligent setup
- Versatile dual-source illumination (Red and White LED)
- IP65-rated protection
- 50–1000 mm working distance for diverse applications

1.High-intensity Red LED *4 / White LED *10
2.One-touch intelligent setup



OPERATIONAL	
Illumination Element	High-intensity Red LED *4 / White LED *10
Pointer light source	High-intensity Green LED*1
Image Sensor	1920 x 1080 CMOS
Focus	Auto
FOV	248 x 138mm@300mm
Reading distance	50 to 1000mm
Min. Bar Width	1D: 3 mil / 2D: 5mil
PHYSICAL	
Dimension	58.3 x 44.6 x 43.9mm (device only)
Weight	265g (device only)
POWER	
Input Voltage	24 VDC ± 20%
Operating Current	250 mA (Typical)
COMMUNICATION	
Control input	2 (maximum rating 30 VDC)
Control output	3 (maximum rating 30 VDC)
Serial Communication	RS-232C - compliant
ETHERNET	
Communication standard	IEEE 802.3-compliant 10BASE-T/100BASE-TX/1000BASE-T
Supported protocols	TCP/IP, FTP, DHCP, ModBus TCP, Modbus RTU
REGULATORY	
EMC	CE & FCC DOC compliant; VCCI; BSMI
Safety	IEC 62471
ENVIRONMENTAL	
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 70°C
Humidity	35% ~ 85% RH (non-condensing)
Enclosure rating	IP65
DECODING CAPABILITY	
1D Barcode	UPC / EAN (UPCA / UPCE / EAN-8 / EAN-13, ISBN (Bookland),Code 39, Code 32 (Italian Pharmacode), Code 128, Code 93,Codabar, Interleaved 2 of 5,Standard 2 of 5,Industrial 2 of 5, Matrix 2 of 5 (Japanese), Code 11, Pharmacode, MSI Plessey,GS1 DataBar (Limited, Expanded)
2D Barcode	QR Code, Micro QR Code, DataMatrix, MaxiCode, Aztec, PDF417, MicroPDF417, CODABLOCK (CCA, CCB, CCC)



ZEBEX
Web Site / www.zebex.com
E-mail / mail@zebex.com

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