

# Fixed Industrial Scanner

VER. 20250207

## ZX-1010 NEW Fixed Image Scanner



The ZEBEX ZX-1010, a top-of-the-line industrial barcode scanner, excels across sectors with its advanced decoding technology for unparalleled scanning performance. Its intelligent illumination system, featuring adjustable functionality, effortlessly scans codes on materials with varying reflectivity, background, shape, and color, making it ideal for industrial usage. The ZX-1010 thrives in typical working conditions and demanding production line environments. The scanner's flexibility shines through its input/output interfaces, allowing seamless integration with external devices. With one-way out photoelectric-coupled isolate input (NPN/PNP/relay) and two-way out photoelectric-coupled isolate output (Good/NG) interfaces, it becomes the perfect device for flexible integration in various industrial settings.

- Excellent decoding capabilities of various 1D and 2D barcodes for different industrial processes.
- Multiple I/O interfaces for easy integration with internal or external industrial devices.
- Employs an integrated smart algorithm for robust and accurate code interpretation
- Supports different communication protocols for flexible integration possibilities.
- Provides real-time scanning performance monitoring via device status indicators.

- 1.Fixed Mount Scanner
- 2.Standard I/O ( USB or RS-232 )



### OPERATIONAL

Light Source	Aiming : 617nm LED
Illumination	Smart Illumination ( Red LED )
Image Sensor	1280 x 800 CMOS
Scan Angle	46°H x 29° V
Depth of Field	Code39 (5 mil) 55 mm ~ 170 mm EAN -13 (13 mil) 50 mm ~ 380 mm Data Matrix (7 mil) 35 mm ~ 95 mm QR Code (7 mil) 35 mm ~ 90 mm (Note: DOF may vary depending on environment condition and barcode quality.)
Minimum Resolution	4 mils ( Code39 )
Print Contrast	≥30%
Indicator	Power ( Orange ), Status ( Red / Green / Blue )
System Interface	USB (HID ; CDC), RS232

### PHYSICAL

Dimension	36 ( W ) x 43 ( D ) x 24 ( H ) mm ( device only )
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### POWER

Input Voltage	5-36 VDC
Operating Current	300 mA ±5% ( Typical ), 450 mA ±5% ( Max )

### REGULATORY

EMC	CE & FCC DOC compliance, VCCI, BSMI, UKCA
Safety	IEC 62471 Exempt

### ENVIRONMENTAL

Operating Temperature	-20°C ~ 55°C
Storage Temperature	-40°C ~ 70°C
Humidity	5% ~ 95% RH ( non-condensing )
Light level	0 ~ 100,000 Lux
Environmental Sealing	IP65
Vibration	4.45 grms, 20-2000Hz, 3 axes

### DECODING CAPABILITY

1D Barcode	UPC/EAN (UPCA/UPCE/ EAN-8/ EAN-13), Code 128, Code 93, Code 39, Code 32, Code 11, Codabar, Plessey, MSI, 2 of 5 (Interleaved, IATA, , Matrix, Straight), Pharmacode, GS1 DataBar, GS1 DataBar Expanded, GS1 DataBar Limited
2D Barcode	PDF417, Micro PDF417, Data Matrix, QR Code (Standard, Micro), Aztec, MaxiCode, DotCode



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