

X-2820 Barcode Imager

Industrial Scanner



TI2820 is a high performance and high protection 2D scanner based on advanced image decoding technology. It has the highest IP68 protection level in the industry, whether in a factory, warehouse, dock, or working environment in high cold and high humidity, it can with ease. It integrates a megapixel engine and a variety of well-designed lenses and lighting systems, which can scan complex barcodes such as laser engraving barcodes, worn barcodes and high-density barcodes. Therefore, TI2820 is very suitable for occasions with high scanning requirements, high intensity and complex use environment, such as manufacturing, large warehouses, docks, cold chains and so on.

Product features

- ◆ Excellent decoding ability and ultra-high sensitivity;
- ◆ Good at scanning DPM carved barcodes, worn out barcodes, highly reflective bar codes, high-density barcodes, miniature barcodes and other difficult barcodes;
- ◆ The industry's highest dust and waterproof – IP68, which can adapt to harsh working environment;
- ◆ Good ergonomic design, for long-time working;
- ◆ Unbreakable fuselage, excellent anti-fall and seismic design;

Application

- ◆ **Manufacturing, such as electronics, machinery and automobile manufacturing**
With the megapixel high-resolution engine and a variety of well-designed lenses and lighting systems, TI6820 can not only read any standard 1D and 2D barcodes, but also read various difficult barcodes frequently encountered in manufacturing industry.
- ◆ **Warehousing and logistics**
It can scan efficiently both in poor warehouses and outdoors in direct sunlight. lighting
- ◆ **Cold chain and wharf**
In cold temperature, TI6820 can be competent
- ◆ **Other occasions where bar codes are complex or use environment is complex**

Specification

Performance Ability	
Lighting & Aiming	X-2820HD: White or Red Lighting, Red LED Aiming X-2820DP: Automatic multi-color LED Lighting, Red Laser Aiming
Resolution	Million pixels
Scan Angle	±70°、±70°、360° (Skew、Pitch、Roll)
Contrast	≥20%
Code Resolution	TI2820HD: 1D≥3mil 2D≥4mil TI2820DP: 1D≥3mil 2D≥4mil
Scan Ability	Printed、Spraying、DPM、screen code
Code Types	2D: QR Code, Micro QR, Data MatrixPDF417, Micro PDF417, Aztec Maxicode 1D: UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, code 39, Code 39 (Full ASCII), code 32, Interleave 2 of 5, Industrial 2 of 5, Matrix 2 of 5, IATA 25, Codebar, Code 128, Code 93, Code11 cMSI/Plessey, UK/Plessey, UCC/EAN 128, Composite Code -A/B/C, GS1 DataBar (RSS) etc
Power	
Voltage	DC5±0.25V
Current	TI2820HD: 420mA (Max) 120mA (Standby) TI2820DP: 450mA (Max) 120mA (Standby)
Communication Method	
Interface	USB-HID, USB-COM, P/S2, RS232, Ethernet, PROFINET
Trigger Mode	Manual, Consecutive Scanning, Auto-sensing
Cable Length	Standard: 2 meters USB cable
Alert Mode	Buzzer (volume and tone adjustable), LED light, vibrator
Material & Environment	
Materials	Bi-color: ABS+PC/TPU; Single: ABS; Transparent: PC; Waterproof ring: Silica gel
Scan Window	Scratch-resistant toughened glass
Temperature	-20°C ~55°C (Working) -40°C ~70°C (Storage)
Humidity	5%~95% (Non-condensing)
Luminance	0~100,000LUX
IP Rating	Scanner: IP68
Shock Proof	Withstand multiple drops from 2.5 meters to concrete surface
Setting Method	Scan setting barcodes
Certification	
Ccertification	CE, FCC, ROHS
Others	
Optional Accessories	Data Cable: RS232, P/S2, etc Module and power supply: RS485 module, Ethernet module, PROFINET module and power adapter Mounting accessories: wall mount bracket