tipcode 顶码

世界顶级技术 国际知名品牌 | Globally Best Reputed Technology, Internationally Well-Known Brand

INDUSTRIAL KING TP65-HD

Industrial Fixed-Mount Barcode Scanner

- Compact & Lightweight
- High Resolution
- High-Grade Protection
- Multi-Color LED Lighting



- **Industrial Barcode Reading**
- **Intelligent Lighting System**
- **Flexible I/O Expansion Interface**
- **IP65 Protection Rating**

The TP65-HD is a high-performance fixed-mount industrial barcode scanner designed by Tipcode for industrial automation production lines. Equipped with a 1 MP high-resolution sensor and TIPCODE's third-generation industrial decoding technology, it features built-in intelligent lighting adjustment to meet complex reading requirements across different materials, shapes, backgrounds and barcode colors in general and industrial production-line scenarios. External trigger scanning is easily implemented via the I/O expansion interface, with 1 opto-isolated input and 2 opto-isolated outputs. Its compact design allows easy installation, and the configuration tool supports versatile debugging and settings for quality management and traceability in electronics, new energy and metal manufacturing lines.

Product Features

Industrial Barcode Reading

Adopts TIPCODE third-generation decoding technology for excellent reading performance across all barcode types.

Intelligent Lighting System

Built-in intelligent lighting adjustment meets complex reading needs across different materials (e.g. reflective), shapes (curved), backgrounds and barcode colors.

Flexible I/O Expansion Interface

Enables external trigger scanning via the I/O expansion interface, with 1 opto-isolated input (NPN/PNP/relay) and 2 opto-isolated outputs (Good; NG) for controlling external devices.

High-Grade Industrial Protection

IP65 rating prevents ingress of foreign objects and protects the device against water splashes from all directions.

INDUSTRIAL KING

TP65 | Industrial Fixed-Mount Barcode Scanner

Technical Specifications

Resolution	1280 × 800 pixels		
Illumination	High-brightness red / white light source		
Reading Mode	Auto-sensing, external pulse trigger, continuous scan, serial command		
Typical Reading	**Model**	GXF-65-SR	GXF-65-HD
	Depth of Field	Code 39 (5 mil): 60-250 mm EAN-13 (13 mil): 50-400 mm QR (10 mil): 35-130 mm 1D: min. 4 mil; 2D: min. 9 mil	Code 39 (3 mil): 50-90 mm Data Matrix (10 mil): 40-150 mm QR (7 mil): 35-120 mm 1D: min. 3 mil; 2D: min. 7 mil
	Precision	GXF-65-SR	GXF-65-HD
Code Types	1D UPC A, UPC E, EAN 8, EAN 13, Code 128, Code 39, Code 93, Code 32, Code11, Codabar, Plessey, MSI, Interleaved 2 of 5, IATA 2 of 5, Matrix 2 of 5, Straight 2 of 5, Pharmacode, RSS-14, RSS-14 Expanded, RSS-14 Limited, Composite Code-A, Composite Code-B, Composite Code-C 2D PDF 417, Micro PDF 417, Data Matrix, QR, Micro QR, Aztec, MaxiCode		
Reading Precision	1D: min. 4 mil; 2D: min. 9 mil		
Field of View	Horizontal 46° (H), Vertical 29° (V)		
Focus	Green LED aiming		
Print Contrast	Min. 20% (UPC/EAN 100%, PCS 90%)		
Dimensions	36 (W) × 43 (D) × 24 (H) mm		
Depth of Field	Code 39 (3 mil): 50-90 mm Data Matrix (10 mil): 40-150 mm QR (7 mil): 35-120 mm		
Comm. Interface	RS232, USB (HID/CDC), Ethernet (TCP/UDP/Modbus)		
External Output	2 opto-isolated outputs (Good; NG)		
External Input	1 opto-isolated input (NPN/PNP/relay)		
Notification	Buzzer, LED indicator		
Op. Temperature	-20 °C to +50 °C		
Storage Temperature	-40 °C to +70 °C		
ESD Protection	±20 kV (air discharge), ±8 kV (direct discharge)		
Current	Operating current 300 mA ±5% (typical), 450 mA ±5% (max.) Standby current 100 mA ±5%		
Power Supply	5-36 VDC		
Protection Rating	IP65		

More Sensitive Scanning Accurate Reading Faster Decoding