

OPTIMA 2D & 1D OMNI DIRECTIONAL BARCODE SCANNER OPT-5000



Hands Free with Auto Scanning

The Optima OPT 5000 2D Omni Directional Barcode Scanner is a high-performance stationary scanner that connects effortlessly via USB. It offers omni-directional scanning, making it perfect for various industries. Its rapid scanning engine ensures quick and accurate data capture, streamlining workflows. Designed for durability, it suits demanding industrial environments. Its stationary design is ideal for fixed installations at point-of-sale terminals, conveyor belts, or production lines, making it an invaluable asset for businesses requiring precise and efficient barcode scanning with USB connectivity.



Handsfree Scanning

Place it on the table, freeing your hands to enhance efficiency, especially for cashiers handling heavy items, saving time.

Scan 1D & 2D Barcode

Support scan most of 1D/2D/QR barcodes from paper and screen.
1D barcodes: EAN, UPC, Code 39, Code 128, UCC/EAN 128, Codabar, ITF-6, ISSN, GS1 Databar, and so on.
2D barcodes: QR, PDF417, etc.

360° Precision Scanning

This scanner's full 360-degree rotation, combined with ± 65 degrees in pitch and skew, ensures precise barcode capture from any angle, offering exceptional versatility and accuracy.



Key Features

- ✓ **360° Scanning:** Reads 1D and 2D barcodes from any angle.
- ✓ **USB Connectivity:** Easily connects via USB.
- ✓ **Fast Scanning:** Quick and precise data capture.
- ✓ **Durable Build:** Designed for industrial use.
- ✓ **Stationary Design:** Ideal for fixed setups.
- ✓ **Versatile:** Suitable for various industries.
- ✓ **User-Friendly:** Comfortable for extended use.
- ✓ **Accurate:** Minimizes errors.
- ✓ **Barcode Compatibility:** Works with diverse barcode types.
- ✓ **Reliable Performance:** Consistent and dependable.

Scan

Optical resolution: CMOS Sensor, Pixels: 640*480,120FPS

Scan Type: CCD 2D

Scan mode: Automatic

Lighting source: red LED supplement

Field of view: 45*35 degree

Scan Angle: rotate Roll:0-360 degree, tilt pitch: ±65 degrees, deflect SKEW: ±65 degrees

Sweeping barcode type: paper, thin film medium one-dimensional; mobile phone, flat screen, etc.

Printing contrast: 20%

Error rate: ≤1/2,000,000

IP level: up to IP5X standard

Prompt mode: buzzer sound prompt and green light prompt.

General

Operate current: 25mA (working); 95ma (Max)

Static current: 15mA

Operation temperature: -20 to 65°C

Storage Temperature: -20 to 70°C

Storage humidity: 0% - 80%

Drop Test: 2 Meters

Power: 5V DC

Safety certification: ICE42471,IEC60950

Size: 110mm*150mm*110mm

Barcode Type: 1D: UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Industrial 2 of 5, Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar,Standard 2 of 5, Plessey, MSI-Plessey,GS1 composite code

Electromagnetic compatibility: EN55022,EN55024

Working current: 390mA(Max.),220mA(Typical)



Interface Connectivity

USB: HID Keyboard(default mode), USB virtual serial port