

# EK-1799

Cordless 2D Barcode Scanner

 Bluetooth 



Type-C/USB+2.4G+Bluetooth  
Material: ABS+PC+TPU  
Image: 640\*480 pixels  
(Global Shutter)  
Resolution: 3mil  
Read all main 1D/2D codes  
Imaging Speed: 120 fps  
1.2G Dual-core CPU  
Multifunctional base  
Battery capacity: 2000mAh  
Motion Tolerance: 2M/S  
Distance: 100m for 2.4G;  
50m for BT (in opening area)  
Interfaces: USB HID(standard)



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## Cordless 2D Barcode Scanner



### Performance Parameter



Light Source

LED White light

Aiming Light

Green Dot

Image sensor

640\*480 pixels Global Shutter

CPU

1.2G Dual core

Resolution(maximum)

3mils

Print contrast ratio(minimum)

20% Reflection Difference

Image Field of View

Horizontal: 50°; Vertical: 38°

Reading Angle

Pitch: 0-360°; Roll(Tilt): ±60°; Skew (Yaw): ±60°

Decoding Capability

1D: All standard 1D codes including GS1 DataBar linear code can be automatically distinguished and decoded.

2D: Aztec Code; Data Matrix; MaxiCode; QRCode; HANXIN; MicroQR Code

Stack code: GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Composite; MicroPDF417; PDF417.

Reading Indicators

LED light & Buzzer (adjustable tone and volume)

Typical depth of Field

Precision Barcode Depth of Field

3.34mil CODE 128 40mm—80mm

5mil CODE128 35mm—135mm

3.34mil EAN-13 40mm—80mm

5mil EAN-13 30mm—105mm

13.34mil EAN-13 30mm—290mm

5mil PDF417 35mm—105mm

Precision Barcode Depth of Field

15mil QR 20mm—155mm

10mil DM 30mm—140mm

20mil QR 30mm—265mm

(The minimum depth of field is determined by the barcode length and scanning angle.

It depends on the print resolution, contrast and ambient light.)

### Electrical Parameter

Current

Working current(Standard): 80 mA ; Standby current(Standard): 130 mA

Input Voltage

5 VDC (+/-10%) / 500mA

### Environmental Parameter

ESD protection(Air discharge)

8 kV

Drop resistance

Withstands repeated drops from 1.2m/4.0 ft onto a concrete surface

Particulate and water sealing

IP52

Temperature

Working: 0 to 40°C / Storage/Transport: -40 to 70°C

Humidity(non-condensing)

5 - 95%

Ambient light

Indoor: 0 to 6,000 lux; Outdoor: 0 to 100,000 lux

### Cordless Parameter

Cordless mode

2.4G, Optional Bluetooth

Transmission distance

2.4G: 100 meters; Bluetooth: 50m (basic on open space)

Communication mode

Wireless real-time transmission/wired transmission/storage mode

Battery capacity

2000mAh

Continuous working time

> 12H

Charging time

4~5H

Warranty

2 years