



## DS30

2D Hands-free Area-Imaging Barcode Scanner

- ◆ Faster Scanning.
- ◆ Comfortable Illumination.
- ◆ IR Trigger.
- ◆ Reliable Quality.
- ◆ 1D, 2D, and QR, PDF417 scanning.

# DS30 2D Barcode Scanner

## Appearance



## Performance

<b>Image Sensor</b>	CMOS 640*480
<b>Light Source</b>	Red LED + Infrared LED
<b>Scan Angle</b>	Skew±60° Pitch±60° Roll 360°
<b>FOV</b>	Diagonal=56° Horizontal =42° Vertical =33°
<b>Resolution</b>	≥3.9mil
<b>Minimum Print Contrast</b>	≥20%

## Decode Capacity

<b>1D</b>	Codabar, Code 11, Code 128, Code 39, Code 93, EAN-8, EAN-13, GS1 DataBar, UPC-A, UPC-E, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Straight 2 of 5 IATA, MSI Plessey
<b>2D</b>	Aztec Code, HANXIN, Maxicode, Codablock F, Data Matrix Code (DPM), PDF417, Micro PDF417, QR Code, Micro QR Code, DOT Code, Grid Matrix Code

## Typical Decode Range

<b>Code39 (5mil)</b>	0mm ~60mm Barcode Size: 25mm*10mm
<b>EAN-13 (13mil)</b>	0mm ~230mm Barcode Size: 31mm*17mm
<b>QR (15mil)</b>	0mm ~160mm Barcode Size: 8mm*8mm

## Physical

<b>Interface</b>	USB / RS232
<b>Voltage</b>	5 VDC± 5%
<b>Current (Typical)</b>	270mA ( 5 VDC)
<b>Current (Max)</b>	320mA ( 5 VDC)
<b>Standby Current</b>	170mA ( 5 VDC)
<b>Power Consumption(Typical )</b>	1350mW
<b>Dimension</b>	88mm(W)×86mm(D)×139mm(H)
<b>Color</b>	Black / White
<b>Net Weight (approx)</b>	260g
<b>Country Keyboard Layout</b>	Multiple Country Keyboard Layout
<b>Indicator</b>	LED, Beeper

## Environment

<b>Operating Temperature</b>	0 °C ~ 50°C
<b>Storage Temperature</b>	-20°C ~ +70°C
<b>Humidity</b>	5% ~ 95% (Non-Condensing)
<b>Drop</b>	withstands multiple 1.2m drops to concrete.
<b>IP rating</b>	IP54
<b>ESD</b>	EN61000-4-2, ±15KV Air Discharge, ± 8KV contact Discharge
<b>Ambient Light</b>	0 ~100,000LUX
<b>LED Safety</b>	IEC 62471

## Accessories

<b>USB Cable</b>	Data Transfer& Power Supply
<b>RS232+USB ( DC)</b>	Data Transfer& Power Supply

Remark.

\* The data in this manual is derived from our YidaScan laboratory data and may differ from actual usage data. Technical specifications in the manual are subject to change without notice.

\* Test conditions: ambient temperature = 23°C; ambient illumination = 300 LUX incandescent lamp; paper code using the test sample code developed by our YidaScan company.

2023/01/09 V1 Version