

# 2D/QR Area-Imaging Barcode Scanner

Innovation By Design



## Features

- ✓ **Decodes QR/2D/1D Barcodes** simply and easily from all mobile devices
- ✓ **Powerful and Accurate** high performance area-imaging technology
- ✓ **Solid State Architecture/IP54 Rated** ensures long term durability
- ✓ **High Performance Optics** delivers superior data capture

# Basic Product Specification (LL-8030)

## Performance Characteristics

<b>Scan Method</b>	CMOS Logic/Area-image
<b>Scan Rate</b>	Up to 60 fps
<b>Scan Reading Angle</b>	Skew: -50 to 0°, 0 to 50°. Pitch: -50 to 0°, 0 to 50°. Roll: 360°
<b>Fixed Focus Distance</b>	SR: 5.12in/130mm, HD: 2.76in/70mm
<b>Min. Resolution (C39 at PCS 0.9)</b>	SR: 5mil (0.127mm), HD: 3mil (0.076mm)
<b>Indicators</b>	Two LEDs (red, blue)
<b>Light Source</b>	(2) Super-bright red LEDs
<b>Aiming Light</b>	Green LED
<b>Field of View</b>	Horizontal: ±41°, Vertical: ±26°
<b>System Interfaces</b>	RS-232, USB (Ver. 1.1 HID Keyboard), RS485 industrial port

## Product Compliance

CE, FCC, IEC 60825-1 Class 2, GB7247.1-2001

## Physical

<b>Dimensions</b>	90.5 x 69.8 x 160mm / 3.56 x 2.75 x 6.30 in
<b>Weight</b>	146g / 5,15 oz (excluding cable)
<b>Case</b>	PC, Black or Grey



**Application and Solutions:** Retail, Supermarket, Convenience, Forecourt, Kiosk, ATM, Medical, Banks, Logistics.

**Contains Accessories:** Cable (USB, RS232, RS485), User Guide, DC Power Supply (RS232, RS485), Scanner Stand Sold Separately.

## Power

<b>Voltage Requirement</b>	5VDC± 10%
<b>Current Consumption</b>	160mA (typical use), max. 260mA

## Environmental

<b>Temp.</b>	-22°F - 140°F / -30°C - 60°C (Operating), -40°F - 158°F / -40°C - 70°C (Storage)
<b>Humidity</b>	Operation: 5-90% (non-condensing, non-freezing), Storage: 5-90% (non-condensing, non-freezing)
<b>Ambient Light</b>	Fluorescent: 10,000 lx max, Direct sun: 100,000 lx max, Incandescent: 10,000 lx max
<b>Drop Test</b>	1.8m/6ft drop onto concrete surface
<b>Protection Rate</b>	IP 54

## Supported Symbolologies

1D: JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2 of 5, Interleaved 2 of 5, ISBN-ISSN-ISMN, Matrix 2 of 5, MSI/Plessey, S-Code, Teleplen, Tri-Optic, UK/Plessey.  
2D: Aztec Code, Aztec Runes, Codablock F, Composite codes, Data Matrix (ECC200/EC0-140), Maxi Code (mode 2 ~ 5), MicroPDF41, QR & Micro-QR Code, PDF417.

E&OE