

# Q Code 63 ESD Series



EXTENDED WARRANTY	Over Voltage Protection								
ESD Protect	ESD SAFE	CCD	LASER	LONG RANGE	On screen Barcode	1D	2D IMAGER	1D: 3 mil	
ESD Cable	Auto sense	RS232	USB	300 Scans Per second	2 Year Warranty	Drop 1.5m	FC CE	RoHS	2D: 5 mil

- Dual colour indicators notify of good scan read, and power.

- Scan rate of 300 times per second at a precision of 3mil (1D) or 5mil (2D).

- FCC and CE EMC Class B Certification.

- Precise trigger to compliment high responsiveness.

- Sturdy SR-type cable with choice of USB 2.0, OTG or RS232 interface. VCOM also supported.



- Built-in ESD protection IC on PCB. 15kV Air/ 8kV contact.

- ESD Protective casing to stand up against highly static environments. Resistivity from  $10^7$  to  $10^9$  Ohms per Square.

- Reliable voltage tolerance of 5-14V ensures a long life span.

- Tough ABS/PC Composite Housing.

- 1.5m drop test resistance.

- Rugged, gun shaped design to deliver comfort and precision.

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## SPECIFICATIONS

	QC630X	QC631X	QC632X	QC633X	QC635X
Category	CCD Linear Imager		Laser		2D Imager
Housing	ESD				
<b>Performance</b>					
Interface	USB / RS232 / VCOMM			USB / RS232	USB / RS232 / VCOMM
Scan rate	300 Scans per sec		200 Scans per sec	72 Scans per sec	—
1D Symbologies	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN; Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey				
2D Symbologies	None				PDF 417, Data Matrix(ECC200,ECC000,050,080,100,140), QR Code
Hands-free Scanning	Trigger / Auto-Sense / Continuous Modes			Trigger modes	Trigger / Auto-Sense / Continuous Modes
Reading Precision	≥ 3mil			≥ 4mil	≥ 5mil
Light Source	610nm-640nm	648nm-660nm	650nm	640nm-660nm	Red Led 625±10nm
	UPCA (13mil): 50-620mm		—	UPCA(13mil):125-250mm	EAN13(13mil):50-195mm
	EAN13 (13mil): 50-610mm		—	UPCA(10mil):25-225mm	Code 39(5mil):50-105mm
			—	UPCA(7.5mil):50-200mm	PDF417(6.67mil):35-135mm
			—	UPCA(5mil):75-125mm	Data Matrix(10mil):35-140mm
			—		QR Code (15mil):30-165mm
Symbol Contrast	≥ 30% Reflectance Difference		—	≥ 35% Reflectance Difference	≥ 30% Reflectance Difference
Scan Angle	Pitch ±60° @ 0°Roll and 0°Skew		±65° @ 0°Roll and 0°Skew	±68° @ 0°Roll and 0°Skew	Pitch 55°
	Roll ±30° @ 0°Pitch and 0°Skew		±42° @ 0°Pitch and 0°Skew		Roll 360°
	Skew ±60° @ 0°Roll and 0°Pitch		±60° @ 0°Roll and 0°Pitch	±52° @ 0°Roll and 0°Pitch	Skew 55°
Field of View	—		—	Horizontal 36°	Horizontal 36° / Vertical 23°
<b>Mechanical/Electrical</b>					
Maximum Power Consumption	0.28W	0.33W	0.875W	0.975W	0.76W
Input Voltage	DC 5V ± 0.5V			DC 5V ± 0.25V	DC 5V ± 0.5V
Operating Current	85 mA	100 mA	52 mA	140 mA	230 mA
Standby Current	25 mA		—	125 mA	7 mA
Dimension	101 mm x 66 mm x 147 mm (LxWxH)				
Weight	130g ±10 ( <sup>W</sup> / <sub>100</sub> Cable) 200g ±10 ( <sup>W</sup> / <sub>100</sub> Cable)				
<b>Environmental</b>					
Operating Temperature	-20°C ~ +60°C		0°C ~ +45°C	0°C ~ +40°C	-20°C ~ +60°C
Storage Temperature	-40°C ~ +85°C		-40°C ~ -60°C		-40°C ~ +85°C
Humidity	5% -95% (non-condensing)				
Ambient Light	0 ~100,000 LUX		—	4842	0 ~100,000 LUX
Certifications	FCC Class B, CE EMC Class B, RoHs				
<b>Accessories</b>					
Cables	USB Cable / RS232 Cable , 2m				

### APPLICATION:

- Electronic Component Manufacturing
- PCB Manufacturing and Assembly
- Semi-Conductor Device Fabrication
- Healthcare
- Laboratory Analysis
- Shipping
- Inventory Storage

### ACCESSORIES



USB / RS232 Cable