QR Code Scanner Certification Scheme

(QRCS-CS)

Reference Specification for QR Code Scanner

Sl. No.	Description	Specifications
1	Image Sensor (Pixels)	640 x 400 pixels
2	Symbologies	QR Code
3	Pitch/Skew	+/- 60°, +/- 60°
4	Scan Angle	Roll 0-360°
5	Min. Symbol Contrast	<= 25%
6	Interface	USB
7	Dimensions	Ergonomically designed product
8	Weight	<250g
9	Indication	Buzzer, Indicator light LED
10	Operating Power	must be as per USB 2.0/3.0 standard requirement
11	Input Voltage	must be as per USB 2.0/3.0 standard requirement
12	Motion tolerance	Up to 5 in.(13 cm) per second for 13 mil UPC
13	Light Source	LED 350-770 nm
14	Operating Temperature	0°C to 50°C
15	Storage Temperature	-20° to 70° C
16	Humidity	5% to 95% non-condensing
17	ESD	+/- 4 kV contact discharge; +/- 8 kV air discharge
18	DROP	1m, Unpacked Condition, As per 60068-2-31
19	Environment Sealing	IP42, as per IEC 60529
20	Decode Range	1" to 10" for 20 mil QR Code
21	Service Center	Should Be Available in India
22	Safety Standards like LED safety	IEC 62471:2006 IEC 60950-1:2005 + A1 + A2 (optional) IS 13252(PART 1):2010