element™

Element P220
Desktop 2D Barcode Scanner

The **Element P220** Desktop 2D Omni-directional barcode scanner is a versatile, small form factor barcode scanner optimised for scanning all common 2D barcodes and digital codes from smartphones.

The multi interface design and 640 x 480 CMOS Image sensor provides great all round performance. The design is compact and solid, offering a comfortable grip and anti-vibration desk mount. Suitable for retail, medical, financial, transport, post manufacture and logistics.

> Solid-state hardware, higher stability and reliability

> Multiple common interfaces, highly compatible

> Independent R&D of core decoding technology

> Auto sense

> Wide-angle adjustable scanning window

Item		Parameter
Scanning	Image Sensor	CMOS
	Pixel	640 x 480
	Illumination	White LED
		2D: PDF417, QR Code, Data Matrix, HanXin, Maxicode etc 1D: Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E,UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-14, RSS-Limited, RSS-Expand etc
	Resolution	≥4mil
	Recognition DOF	13mil EAN: 0-150mm; 5mil code 39: 0-100mm; 20mil QR: 0-120mm; Mobile payment code: 0-250mm
	Recognition Sensitivity	(pitch) ±60 °, (tilt) 360°, (skew) ±60°
	Recognition FOV	Horizontal: 51 °, Vertical: 40 °
	Symbol Contrast	≥20%
Physical	Dimension (mm)	90 (D) *79 (W) *142(H)
	Weight	285g
	Notification	Buzzer, LED indicator
	Housing Materials	PC+TPU
	Notification	Buzzer, LED Indicator
	Interface	USB , USB Virtual Serial Port, RS-232 Serial Port
	Trigger Method	Auto sense, Continuous recognition, Manual keystroke
Electrical	Operating Voltage	5VDC±5%
	Operating Current	Standby: 140mA Working: 245mA
	Operating Temperature	-20℃~+50℃
	Storage Temperature	-40℃~+70℃
	Relative Humidity	5%~95% (No Condensation)
	ESD	±15 kV (Air discharge) ±8 kV (Direct discharge)
	Environment Luminosity	0~100, 000LUX
	Certification	CE FCC ROHS
	Test Condition	Environment temperature: 23℃ Environment illumination:300LUX, filament lamp The recognizing DOF depends on the resolution, contrast of the printing codebar, and the environment illumination