

# Element P100

2D Hand-held Barcode Scanner



With its comfortable, ergonomic design and unmatched scanning performance, the new **Element P100** hand-held scanner offers superior out-of-box experience for scan-intensive applications.

- > New generation COMS image sensor
- > Intelligent auxiliary aiming and lighting system
- > 1.5m drop resistance, IP42 rating
- > Comfortable, ergonomic design
- > Scans highly-distorted barcodes



Rugged & durable construction



New generation image sensor



Elegant design



Intelligent auxiliary aiming and lighting system

# Technical Specifications - Element P100

Item		Parameter	
Scanning	Image Sensor	CMOS	
	Pixel	640 x 480	
	Illumination	Infrared LED	
	Focus	Infrared LED	
	Symbologies	<b>2D:</b>	PDF417, QR Code, Data Matrix, HanXin, Maxicode, Postal Codes, etc.
		<b>1D:</b>	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	≥3mil	
	Typical DOF	5mil Code39: 20mm–150mm ENA: 30mm–300mm 6.7mil PDF417: 25mm–130mm 10mil DM: 15mm–100mm 20mil QR 15mm–210mm	
	Recognition Sensitivity	Pitch±60°, Tilt360°, Skew±60°	
	FOV	Horizontal: 32°, Vertical: 25°	
Symbol Contrast	≥20%		
Physical	Dimension (mm)	83D x 67W x 175H	
	Weight	128g	
	Scanner Interface	RJ-45 Crystal Head	
	Housing Materials	PC+TPU	
	Notification	Buzzer, LED Indicator	
	Interface	RS-232 Serial Port, USB, USB Virtual Serial Port	
	Trigger Method	Manual keystroke, Induction recognition, Continuous recognition	
Electrical	Operating Voltage	5VDC±10%	
	Operating Current	Standby: 100mA Working: 230mA	
	Power	Standby: 0.5W Work: 1.15W	
	Operating Temperature	-20°C~+50°C	
	Storage Temperature	-40°C~+70°C	
	Relative Humidity	5%~95% (No Condensation)	
	ESD	±15 kV (Air discharge) ±8 kV (Direct discharge)	
	Environment Luminosity	0~100, 000LUX	
	Anti-shock Ability	1.5m	
	Protection Grade	IP42	
	Certification	CE FCC ROHS	
	Cable	USB, RS232	
	AC Adapter	5V, coordinate with RS-232 cable to power the scanner	
Test Condition	Environment temperature: 23°C Environment illumination: 300LUX filament lamp DOF depends on the resolution, contrast of the printing codebar, and the environment illumination		