

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



P100 Scanner Kit includes stand & USB cable



Rugged & durable construction

Technical Specifications - Element P100

| Item | | Parameter | |
|-----------------|--|--|---|
| Scanning | Image Sensor | CMOS | |
| | Pixel | 640 x 480 | |
| | Illumination | Infrared LED | |
| | Focus | Infrared LED | |
| | Symbologies | 2D: | PDF417, QR Code, Data Matrix, HanXin, Maxicode, Postal Codes, 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 | ≥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 | | |