



AP1909-SR

Industrial-Grade 2D Corded Image Scanner

- Rugged dust and water-resistant design.
- Supports free switch between handheld & auto-detection mode.
- Reads even poor quality labels well.
- Suitable for industrial manufacturing, with extraordinary DM, Datamatrix, and Maxicode decoding capabilities.



★ Application



— RS-232; USB HID; USB COM; Optional RS232, DB9 interface

Action-Plus Co. Ltd.

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Performance Parameter																																		
Light Source	LED White light																																	
Aiming Light	Green Dot																																	
Image Sensor	1280*800 pixels																																	
CPU	1.2G Dual core																																	
Resolution(maximum)	3mils																																	
Minimum Print Contrast	20% Reflection Difference																																	
Image Field of View	Horizontal: 50°; Vertical: 38°																																	
Reading Angle	Pitch: 0-360°; Roll(Tilt): ±60°; Skew (Yaw): ±60°																																	
Decoding Capability	1D: All standard 1D codes including GS1 DataBar™ linear code can be automatically distinguished and decoded. 2D: Aztec Code; Data Matrix; MaxiCode; QRCode; HANXIN; MicroQR Code Stack code: GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Composite; MicroPDF417; PDF417.																																	
Reading Indicators	LED light&Buzzer(adjustable tone and volume)																																	
Typical depth of Field	<table border="1"> <thead> <tr> <th>Precision</th> <th>Barcode</th> <th>Depth of Field</th> </tr> </thead> <tbody> <tr> <td>3.34mil</td> <td>CODE 39</td> <td>60mm—160mm</td> </tr> <tr> <td>3.34mil</td> <td>EAN-13</td> <td>90mm—150mm</td> </tr> <tr> <td>5mil</td> <td>CODE39</td> <td>70mm—240mm</td> </tr> <tr> <td>5mil</td> <td>EAN-13</td> <td>70mm—230mm</td> </tr> <tr> <td>13mil</td> <td>UPC-A</td> <td>40mm—450mm</td> </tr> <tr> <td>5mil</td> <td>PDF417</td> <td>65mm—210mm</td> </tr> <tr> <td>5mil</td> <td>QR</td> <td>75mm—140mm</td> </tr> <tr> <td>10mil</td> <td>QR</td> <td>45mm—290mm</td> </tr> <tr> <td>10mil</td> <td>DM</td> <td>30mm—260mm</td> </tr> <tr> <td>20mil</td> <td>QR</td> <td>20mm—480mm</td> </tr> </tbody> </table> <p>(The minimum depth of field is determined by the barcode length and scanning angle. It depends on the print resolution, contrast and ambient light.)</p>	Precision	Barcode	Depth of Field	3.34mil	CODE 39	60mm—160mm	3.34mil	EAN-13	90mm—150mm	5mil	CODE39	70mm—240mm	5mil	EAN-13	70mm—230mm	13mil	UPC-A	40mm—450mm	5mil	PDF417	65mm—210mm	5mil	QR	75mm—140mm	10mil	QR	45mm—290mm	10mil	DM	30mm—260mm	20mil	QR	20mm—480mm
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Electrical Parameter																																		
Current	Working current(Standard): < 280 mA ; Standby current(Standard): < 130 mA																																	
Input Voltage	5 VDC (+/- 10%)/500mA																																	
Environmental Parameter																																		
ESD protection(Air discharge)	8 kV																																	
Drop resistance	Withstands repeated drops from 1.2m/4.0 ft onto a concrete surface.																																	
Temperature	Working: -10 to 50 °C Storage/Transport: -20 to 65 °C																																	
Humidity(non-condensing)	5 - 95%																																	
Ambient light	Indoor: 0 to 6,000 lux; Outdoor: 0 to 100,000 lux																																	
Product Size	172*67*87mm																																	
Interfaces	RS-232; USB HID; USB COM; HID POS available as per customer's needs																																	
Transmission	Support multi-language transmission, compatible with major operating systems, support the editing of barcode data.																																	
Warranty	12 months																																	

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