

AP-4218 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																																	
Image sensor	640*480 pixels																																	
Resolution(maximum)	0.102mm / 4mils																																	
Print contrast ratio(minimum)	≥20%																																	
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 128</td> <td>10mm—60mm</td> </tr> <tr> <td>5mil</td> <td>CODE128</td> <td>5mm—90mm</td> </tr> <tr> <td>3.34mil</td> <td>EAN-13</td> <td>10mm—55mm</td> </tr> <tr> <td>5mil</td> <td>EAN-13</td> <td>5mm—85mm</td> </tr> <tr> <td>13.34mil</td> <td>EAN-13</td> <td>20mm—190mm</td> </tr> <tr> <td>5mil</td> <td>PDF417</td> <td>5mm—75mm</td> </tr> <tr> <td>10milPDF417</td> <td></td> <td>5mm—190mm</td> </tr> <tr> <td>15milPDF417</td> <td></td> <td>10mm—200mm</td> </tr> <tr> <td>10milDM</td> <td></td> <td>5mm—100mm</td> </tr> <tr> <td>20milDM</td> <td></td> <td>5mm—210mm</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 128	10mm—60mm	5mil	CODE128	5mm—90mm	3.34mil	EAN-13	10mm—55mm	5mil	EAN-13	5mm—85mm	13.34mil	EAN-13	20mm—190mm	5mil	PDF417	5mm—75mm	10milPDF417		5mm—190mm	15milPDF417		10mm—200mm	10milDM		5mm—100mm	20milDM		5mm—210mm
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20milDM		5mm—210mm																																
Physical characteristics																																		
Color available	Black																																	
Dimensions (L*W*H)	71*107*158mm																																	
Weight	157g																																	
Cable	2m																																	
Electrical Parameter																																		
Current	Working current (Standard): < 270 mA Standby current (Standard): < 35 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.																																	
Particulate and water sealing	IP52																																	
Temperature	Operation: -20 to 40 °C Storage/Transport: -40 to 70 °C																																	
Humidity(non-condensing)	5 - 95%																																	
Ambient light	Indoor: 0 to 6,000 lux; Outdoor: 0 to 86,000 lux																																	
Interfaces																																		
Interfaces	RS-232; USB HID; USB COM; Optional RS232, DB9 interface																																	
Warranty																																		
	12/months																																	

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