

# ASR-A25S1 Datasheet



| Model         |                         | ASR-A25S1                                                                                                                                                                                                   |
|---------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1D/2D Barcode | Image Sensor            | 640*480 CMOS                                                                                                                                                                                                |
|               | Read Accuracy           | ≥ 3mil                                                                                                                                                                                                      |
|               | Typical Read Range      | Scanning Distance (Barcode Density)<br>EAN13: 65mm~350mm (13mils)<br>Code39 : 50mm~125mm (5mils)<br>QR Code : 30mm~170mm (15mils)<br>Data Matrix: 45mm~120mm (10mils)<br>PDF 417 : 50mm~125mm (6.7mils)     |
|               | Scanning Angle          | Pitch: ±42°; Yaw: 360°; Tilt: ±31.5°                                                                                                                                                                        |
|               | Supported Barcode Types | 1D:<br>Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, |

| Model          |                                 | ASR-A25S1                                                                       |
|----------------|---------------------------------|---------------------------------------------------------------------------------|
|                |                                 | AIM128, Plessey, MSI-Plessey<br>2D:<br>PDF417, QR Code, Micro QR, Data Matrix   |
|                | Light Source                    | Illumination: White LED; Focus: Red LED,<br>Wavelength 625nm                    |
| Buttons        | Reset Button,<br>Trigger Button |                                                                                 |
| Communication  | Interface                       | Type-C                                                                          |
| Appearance     | Material                        | PC & TPU                                                                        |
|                | Color                           | Black                                                                           |
|                | Status Indicator                | Charging (Red Solid), Fully Charged (Red Off),<br>Data Transfer (Blue Blinking) |
| Environment    | Operating Temp &<br>Humidity    | Temperature: -10°C ~ 45°C; Humidity: 20 ~<br>85%RH                              |
|                | Charging Temp &<br>Humidity     | Temperature: 0°C ~ 45°C; Humidity: 10 ~<br>90%RH                                |
|                | Storage Temp &<br>Humidity      | Temperature: -20°C ~ 60°C; Humidity: 10 ~<br>95%RH                              |
|                | Protection Level                | IP 54                                                                           |
|                | Drop Resistance                 | 1.5m (6 Faces, 4 Corners, 1 Drop Each) ×4                                       |
| Certifications | FCC, FDA                        |                                                                                 |
| Supported OS   | Android, iOS                    |                                                                                 |