



2200 Series



Omnidirectional Scanner for Fast and Reliable Workflow

Built specifically for the retailing, hospitality and transportation industries, CipherLab 2200 series' omnidirectional scanning capabilities provide fast and reliable workflow. Its omnidirectional area imaging is coupled with high speed scanning abilities which make operations seamless in environments such as convenience stores, supermarkets, department stores, etc. Along with multiple configurations, users can customize the 2200 series to fit their specific needs. Enjoying a fast and reliable workflow has never been so easy.



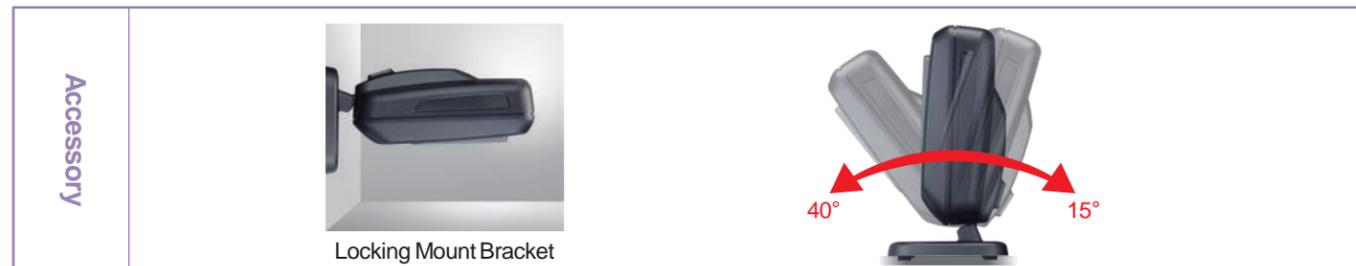
2200 Series

Omnidirectional Presentation Scanner



| Models | 2200 | 2210 | 2220 |
|--------------------------------|---|--|--|
| Category | Omnidirectional Presentation Scanner | | |
| | 2D Imager | 2D Imager with EAS | 2D Imager with UHF RFID |
| Optical Sensor | CMOS Image Sensor 1280 x 800 pixels (SM2) CMOS Image Sensor 640 x 480 pixels (N4680) | | CMOS Image Sensor 1280 x 800 pixels |
| Light source | LED RED 620 nm (SM2) / Warm white (N4680) | | LED RED 620 nm |
| Resolution | 1D- 3mil / PDF417- 5mil / 2D- 7mil (SM2) 1D- 3mil / 2D- 5mil (N4680) | | 1D - 3mil / PDF417 - 5mil / 2D - 7mil |
| Depth of field | Code 39 3 mil: 0 to 5 cm / 0 to 2.0 in. QR Code 7 mil: 0.5 to 2.5 cm / 0.2 to 1.0 in. (SM2) 10 mil: 0 to 8 cm / 0 to 3.1 in. (N4680) EAN13 13 mil: 0 to 20 cm / 0 to 7.9 in. (SM2) 0 to 24 cm / 0 to 9.4 in. (N4680) PDF417 5 mil: 1 to 6 cm / 0.4 to 2.4 in. (SM2) 10 mil: 0 to 15 cm / 0 to 5.9 in. (N4680) | | Code 39 3 mil: 0 to 5 cm / 0 to 2.0 in. QR Code 7 mil: 0.5 to 2.5 cm / 0.2 to 1.0 in. EAN13 13 mil: 0 to 20 cm / 0 to 7.9 in. PDF417 5 mil: 1 to 6 cm / 0.4 to 2.4 in. |
| Pitch, Skew | ± 70°, ± 75° (SM2) / ± 50°, ± 50° (N4680) | | ± 70°, ± 75° |
| Print Contrast (Minimum) | 25% (SM2) / 20% (N4680) | | 25% |
| Ambient illumination | 100,000 Lux (SM2) / 0-100,000 Lux (N4680) | | 100,000 Lux |
| Hands-free scanning | Presentation mode | | |
| Programmable features | Data editing, interface selection, symbology configuration | | |
| Language support | US and UK English, French, Italian, Belgian, Norwegian, Swedish, Spanish, Portuguese, German, Swiss German, Japanese, Turkish, Hungarian, and Danish | | |
| Barcodes scanning | 1D: Codebar, Code39, Code93, Code128, GS1 DataBar (RSS), Industrial 2 of 5, Interleave 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI Plessey, Telepen, UPCA/EANGS1-128, Code11, Chinese25 (N4680) 2D: PDF417, MacroPDF417, Data Matrix, QR code, Micro QR Code, Aztec, MaxiCode, Composite Codes, HanWin (N4680) | | |
| RFID read/write | -- | -- | Frequency: North America: 902 - 928 MHz, Europe: 865 - 868 MHz, Taiwan: 922 ~ 928MHz, Support Tag Type: ISO18000-6C, EPCglobal Class1 Gen2 (Standard), EPCglobal Class1 Gen2 V2 (Standard) |
| Barcode and EAS | -- | Compatible with Checkpoint EAS deactivation systems | -- |
| Dimension (L x W x H) | 80 x 80 x 150 mm / 3.2 x 3.2 x 5.9 in | | |
| Weight | 320g / 11 oz. | | 380g / 13 oz. |
| Color | Black | | |
| Trigger | 1 Trigger for handheld operation | | |
| Indicators | Magnetic Buzzer (Adjustable Tone and Volume), Good Read LED | | |
| Input Voltage | 5V 2A Max | | |
| Power consumption ¹ | 300mA / 450mA | | 350mA / 1A |
| Temperature | Operating: 0 °C to 40°C / 32°F to 104°F Storage: -40°C to 60°C / -40°F to 140°F | | |
| Humidity (non-condensing) | Operating: 10% to 90% Storage: 5% to 95% | | |
| Impact resistance | 1.5 m (4.9 ft) multiple drops onto concrete | | |
| Ingress protection | IP52 | | |
| Electrostatic discharge | ± 8 kV contact / ± 15 kV air | | |
| Configuration | Setup options include Windows®-based ScanMaster software, by direct connection or printing out barcode settings | | |
| Accessories | USB, RS232 and keyboard wedge cables, Locking Mount Bracket (SM2) USB, RS232, Locking Mount Bracket (N4680) | Dual USB, RS232 and keyboard wedge cables, Locking Mount Bracket | USB, RS232 and keyboard wedge cables, Locking Mount Bracket |
| Warranty | 3 year (N4680: 1 year) | | 3 year |

1. The data is tested with USB interface.



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