

CIPHER LAB

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.







## **Customer Service Satisfaction** and Loyalty to the Max

CipherLab 2200 series is your answer to boost service satisfaction and loyalty. CipherLab has combined affordability and valuable features to provide efficient solutions. This device's adjustability brings along maximum flexibility for awkward scanning angles. Additionally, the 2200 series gives you the advantages of different configuration modes which allows your staff to reliably scan and read barcodes and RFID while simultaneously update inventory control systems. All the while, empowering you with the ability to deactivate anti-theft systems, relieving your cost and use of additional deactivators. Ultimately, your business will cut down on customer wait time and enhance your customers' overall experience. CipherLab 2200 series will allow you to fully take advantage of customer satisfaction and build customer loyalty to the max.



### Fast Quality Scanning with the Angles Covered

CipherLab 2200 series has an accelerated scan rate of a snappy 60 scans per second. This high-speed scan rate allows reliable scans of 1D, PDF417, and 2D barcodes instantly. No matter if you are scanning an item from a supermarket or paper/mobile boarding pass at a transportation counter, the 2200 series has got your angles covered. Capable of reading low contrast barcodes down to 25% PCS, users can freely scan barcodes that are poorly printed or on reflective surfaces of labels and LCD screens, minimizing customer wait time. Barcodes on dark backgrounds, coupons and loyalty cards, regardless if it's from mobile phones or not, are all simple reads for CipherLab 2200 series.



### Flexible Installation with Adaptable Trigger

CipherLab 2200 series' compact size (150 X 83 X 80 mm) makes it the best choice for high performance operations with limited space. Being extremely lightweight at 320g, you may lock the scanner onto horizontal or vertical surfaces by using the optional locking mount brackets, allowing a handsfree working environment. With an integrated adjustable stand, the 2200 series can bend forward up to 40 degrees and backwards up to 15 degrees to scan barcodes in awkward angles. With this flexibility, users no longer need to wrestle with scanning difficult packages in hard to reach angles.





Moreover, the energy efficient 2200 series maintains in presentation mode which the LED remains dim until it detects a barcode coming through. When a large size item which can't be placed in the scanning location, users may activate the trigger and scan the item like a handheld scanner.

#### **Customizable Configuration Fit for Different User Demands**

The 2200 series' standard model allows for easy 2D barcode scanning. In addition, it comes with additional models built with UHF RFID and EAS for users to choose from based on preferences, applications and environments. With the UHF RFID model, users are capable of instantly reading the RFID tags, up to a 20 cm reading range, and updating the inventory control system with speedy communication. Moreover, users can choose the EAS model, which can deactivate the anti-theft systems by simply scanning the barcode on the item or label. With this benefit, it eliminates the need to purchase additional deactivators. The integrated EAS support can also eliminate missed tags, erroneous alarms and embarrassed customers to simplify the checkout process.

Additionally, CipherLab ScanMaster, a comprehensive software tool that configures the scanner to your specific needs, can be easily customized to configure additional devices based on your setting preferences. Empowering your staff with abilities of the 2200 series is as easy as ever.



### **Well Protected Durability**

The CipherLab 2200 series comes with an IP52 rating, which fully protects against water drops from frozen/cold items. It can withstand multiple drops from 1.5 m on to concrete with a communication cable. Its durable design prevents device failures from accidental drops and bumps from various applications such as point of sale, baggage drop-off points, boarding gate, etc. With the CipherLab durable designs, your operation can run smoothly without any worries.





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Image: Construction of the construc	Models		2200	2210	2220
Defail Sensor     2D Imager and UHF RFID       Version Sensor 1280 x 800 pixel     CMOSI Imager and UHF RFID       Resolution     Concentration Sensor 1280 x 800 pixel       Resolution     Concentration Sensor 1280 x 800 pixel       Performance     Resolution     Concentration Sensor 1280 x 800 pixel       Performance     Resolution     Concentration Sensor 1280 x 800 pixel       Performance     Performance     Frequency       Perf	Category		Omnidirectional Presentation Scanner		
Light source     Light source       Resolution     10 - 3mil / PDF-17, 5mil / 20 - 7mil       Performance     File       Performance     File       Pritch, Skew			2D Imager	2D Imager and EAS	2D Imager and UHF RFID
ResolutionImage: code 39 amil: 0 to 5 mil / DPF417 - 5mil / 2D - 7mil / 2D -	Performance	Optical Sensor	CMOS Image Sensor 1280 x 800 pixels		
Performance     Depit of field     Code 39 3 mil: 0 to 5 cm / 0 to 20 in.     EAN13 13mil: 0 to 20 cm / 0 to 7.9 in. POPC477 5mil: 1 to 6 cm / 0.4 to 2.4 in.       Performance     Proto-Steew     Steew		Light source	LED RED 620 nm		
Depth of held     ORC ode 7 mil: 0.5 to 2.5 cm / 0.2 to 1.0 m     PDF417 Smil: 1 to 6 cm / 0.4 to 2.4 m.       Performance     1000     1.7 0°, ± 75°     25%       Print Contrast (Minimum)     25%     35%       Ambient Illumination     0.000 Lux     100,000 Lux       Hands-free scanning     0.000 Lux     100,000 Lux       Ianguage support     0.000 dux GSI Data editing, inefrace selection, symbology configures, German, Japanien, and Darish     Programmable features     100,000 Lux       Barcodes scanning     110: Codabar, Code 30, Code 128, GSI DataBar (RSS), Minish, Hungsen, German, Japanien, and Darish     Simport Features 20 5, ISBT-128, Italian and French       Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EAN/GS1-128, Code 1     Support Trag Type: Sec.     Simport Features 20 5, ISBT-128, Italian and French       Data capture     Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EAN/GS1-128, Code 1     Support Trag Type: Sec.     Support Trag T		Resolution			
Performance Print Contrast (Minimum)     Image: Contrast (Minimum)     25%       Ambient Illumination     100,000 Lux       Hands-free scanning     Presentation mode       Programmable features     Data celling, interfaces 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: Codabar, Code 39, Code 39, Code 30, Code 128, CSS1 DataBar (RSS), Industrial 2 of 5, Interfaces 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EAN/CS1-128, Code 13       Data capture     RFID read/write     -       RFID read/write     -     -       Weight     -     -       Very on Tag Type: ISO 1800-6C, Programal read/write     -     2000 - 00		Depth of field			
Ambient illumination     Intervention       Hands-free scanning     Pregrammable features     Pregrammable features       Language support     US and UK English, French, Italina, Belgian, Neroki, Italina, Belgian, Neroki, Italina, Belgian, Neroki, Italina, Portuguese, German, Japanese, Turkish, Hungarian, and Danish       Barcodes scanning     '1D: Codabar, Code 39, Code 39, Code 30, Code 128, Code 128, Code 11       Disconting     '1D: Codabar, Code 39, Code 39, Code 28, Code 128, Code 128, Code 11       2D: PDF417, MicroPDF417, Data Matrix, QR code, Alter, MaxiCode, Composite Codes     'Frequency: America: 902 - 928 MHz       Barcodes scanning     ''''''''''''''''''''''''''''''''''''		Pitch, Skew	± 70°, ± 75°		
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, Swisse German, Japanese, Turkish, Humgarian, and Danish       Barcodes scanning     1D: Codabar, Code 39, Code 30, Code 128, GS1 DataBar (RSS), Industrial 2 of 5, INST-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPCEAMOS-128, Code 51, SB51-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPCEAMOS-128, Code 51, SB51-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPCEAMOS-128, Code 51, SB51-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPCEAMOS-128, Code 51, SB51-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPCEAMOS-128, Code 51, SB51-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPCEAMOS-128, Code 51, SB51-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPCEAMOS-128, Code 51, SB51-128, Italian and French Preunency, America 902 - 928 MHz Teurope: 805 - 088 MHz Teurope: 805 - 080 MHz Teurope: 805 -		Print Contrast (Minimum)	25%		
Programmable features     Data editing, interface selection, symbology configuration       Language support     US and UK English, French, Italian, Belgian, Novegian, Spanish, Portuguese, German, Swiss German, Japanese, Turkish, Hungarian, and Danish       Barcodes scanning     1D: Codabar, Code 39, Code 39, Code 39, Code 126, GS1 DataBar (RSS), Industrial 2 of 5, Interfaxe 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 of 5, MISI, Piessey, Telepen, UPC/EAN/GS1-128, Code 11 2D: PDF417, MicroPDF417, Data Matrix, QR code, Atzec, MaxiCode, Composite Codes       Data capture     RFID read/write     -		Ambient illumination	100,000 Lux		
Index     Language support     US and UK English, French, Italian, Belgian, Norwegian, Swedish, Spanish, Portuguese, German, Swiss German, Japanese, Turkish, Hungarian, and Danish       Barcodes scanning     1D: Codabar, Code 39, Code 32, Code 128, Code 128, Code 128, CSD DataBar (RSS), Indereave 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EAN/GS1-128, Code 11     Impact Scanning       Data capture     RFID read/write     -       Support Code      Support Code		Hands-free scanning	Presentation mode		
Lengenge Support   Construction   Swiss German, Japanese, Turkish, Hungarian, and Danish     Barcodes scanning   1D: Codabar, Code 39, Code 128, GS1 DataBar (RSS), Industrial 2 of 5, INBT-128, Italian and French Pharmacodes, Matrix 2 of 5, INST, Plessey, Telepen, UPC/EAN/CS1-128, Code 11     Data capture   FFID read/write		Programmable features	Data editing, interface selection, symbology configuration		
Barcodes scanning     Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EÁN/GS1-128, Code 11       Data capture     RFID read/write     2D: PDF417, MicroPDF417, Data Matrix, QR code, Aztec, MaxiCode, Composite Codes       Electronic Article Surveillance (EAS)     -		Language support			
Data capture     RFID read/write     - </td <td rowspan="3">Data capture</td> <td>Barcodes scanning</td> <td colspan="3">Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EÁN/GS1-128, Code 11</td>	Data capture	Barcodes scanning	Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EÁN/GS1-128, Code 11		
Electronic Anticle Sulveillance (EAS)  EAS deactivation systems    Physical Dimension L x W x H (mm) 80 x 83 x 150 mm / 3.2 x 3.3 x 5.9 in   Weight 320g / 11 oz. 380g / 13 oz.   Color Black Black   Trigger Indicators Magnetic Buzzer (Adjustable Tone and Volume), Good Read LED   Indicators Magnetic Buzzer (Adjustable Tone and Volume), Good Read LED   Electrical Power consumption' Standby / Operating 300mA / 450mA   User 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) mutiple drops onto concrete		RFID read/write	-	-	Frequency: America: 902 - 928 MHz Europe: 865 - 868 MHz Taiwan: 922 - 928MHz China: 920 - 925MHz
Weight     320g / 11 oz.     380g / 13 oz.       Physical     Color     Black     Black       Trigger     1 Trigger for handheld operation     Indicators     Magnetic Buzzer (Adjustable Tone and Volume), Good Read LED       Indicators     Input Voltage     5V 2A Max     Storage: 5V 2A Max       Felectrical     Power consumption' Standby / Operating     300mA / 450mA     350mA / 1A       User Environment     Temperature     Operating: 0°C to 40°C / 32°F to 104°F Storage: -40°C to 60°C / -40°F to 140°F     Storage: 5% to 95%       Impact resistance     1.5 m (4.9 ft) muttiple drops onto concrete     1.5 m (4.9 ft) muttiple drops onto concrete		Electronic Article Surveillance (EAS)	-		-
Physical     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 <sup>1</sup> 300mA / 450mA       Standby / Operating     Operating: 0°C to 40°C / 32°F to 104°F       Veser     Immidity (non-condensing)       Input veisstance     1.5 m (4.9 ft) muttiple drops onto concrete	Physical	Dimension L x W x H (mm)	80 x 83 x 150 mm / 3.2 x 3.3 x 5.9 in		
Trigger     Trigger for handheld operation       Indicators     Magnetic Buzzer (Adjustable Tone and Volume), God Read LED       Input Voltage     Input Voltage       Power consumption <sup>1</sup> Standby / Operating     Standby / Advect		Weight	320g / 11 oz. 380g / 13 oz.		
Indicators     Magnetic Buzzer (Adjustable Tone and Volume), Good Read LED       Input Voltage     5V 2A Max       Electrical     Power consumption <sup>1</sup> Standby / Operating     300mA / 450mA       Temperature     Operating: 0°C to 40°C / 32°F to 140°F Storage: 40°C to 60°C / 40°F to 140°F       User Environmeti     Humidity (non-condensing)     Operating: 10% to 90% Storage: 5% to 95%       Impact resistance     1.5 m (4.9 ft) muttiple drops onto concrete		Color	Black		
Input Voltage     Input Voltage       Electrical     Power consumption <sup>1</sup> Standby / Operating     300mA / 450mA     350mA / 1A       Very Provide the Standby / Operating     Temperature     Operating: 0 °C to 40°C / 32°F to 104°F Storage: -40°C to 60°C / -40°F to 140°F     Storage: -40°C to 60°C / -40°F to 140°F       Very Provide the Storage     Humidity (non-condensing)     Operating: 10% to 90% Storage: 5% to 95%     Storage: 5% to 95%       Impact resistance     1.5 m (4.9 ft) muttiple drops onto concrete     Storage: 5% to 95%     Storage: 5% to 95%		Trigger	1 Trigger for handheld operation		
Electrical     Power consumption' Standby / Operating     300mA / 450mA     350mA / 1A       Very end of the standby / Operating     Temperature     Operating: 0°C to 40°C / 32°F to 104°F Storage: 40°C to 60°C / 40°F to 140°F     Storage       Very end of the standby / Operating     Humidity (non-condensing)     Operating: 10% to 90% Storage: 5% to 95%     Storage       Impact resistance     1.5 m (4.9 ft) muttiple drops onto concrete     Storage     Storage		Indicators	Magnetic Buzzer (Adjustable Tone and Volume), Good Read LED		
Note: Doversing Standby / Operating Standby / Operating Standby / Operating   Viser Temperature Operating: 0°C to 40°C / 32°F to 104°F Storage: 40°C to 60°C / 40°F to 140°F   Viser Humidity (non-condensing) Operating: 10% to 90% Storage: 5% to 95%   Impact resistance 1.5 m (4.9 ft) muttiple drops onto concrete	Electrical	Input Voltage	5V 2A Max		
Imperature     Imperature     Storage: 40°C to 60°C / 40°F to 140°F       User     Humidity (non-condensing)     Operating: 10% to 90% Storage: 5% to 95%       Impact resistance     1.5 m (4.9 ft) muttiple drops onto concrete			300mA / 450mA		350mA / 1A
User     Humidity (non-condensing)     Storage: 5% to 95%       Environment     Impact resistance     1.5 m (4.9 ft) multiple drops onto concrete		Temperature			
Impact resistance 1.5 m (4.9 tt) multiple drops onto concrete		Humidity (non-condensing)			
		Impact resistance	1.5 m (4.9 ft) mutliple drops onto concrete		
Ingress protection IP52		Ingress protection	IP52		
Electrostatic discharge ± 8 kV contact / ± 15 kV air		Electrostatic discharge	± 8 kV contact / ± 15 kV air		
Configuration Setup options include Windows <sup>®</sup> -based ScanMaster software, by direct connection or printing out barcode settings, Support OPOS Stand	Configuration		Setup options include Windows <sup>®</sup> -based ScanMaster software, by direct connection or printing out barcode settings, Support OPOS Standards		
Accessories USB, RS232 and keyboard wedge cables, Locking Mount Bracket	Accessories		USB, RS232 and keyboard wedge cables, Locking Mount Bracket		
Warranty 3 year	Warranty		3 year		

1. The data is tested with USB interface.

CIPHER

Smarter





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