



## 2564ER Extended range Rugged Wireless 2D-code scanner, long DOF with tether plate + Cradle + USB Cable, Bluetooth

With raising demands for advanced scanning abilities in many industries, such as retail, warehousing and light industry, CipherLab has attentively designed the durable 2500 series handheld scanner to suit various applications in harsh environments. CipherLab 2500 series is able to deliver superior scanning abilities to speed up the efficiency of data collection. Along with business-rugged durability, its high performance is well protected so users can enjoy fast workflow without any worries. Moreover, the 2500 series is also equipped with additional user friendly features to create a productive experience for its users. Wireless barcode scanner allows you to scan a barcode and transfer data up to a distance of 100 m from the base.

The CipherLab 2564ER series business-rugged handheld scanner takes performance up a notch with a 55 scan rate for fast operations. Along with the ability to read high-density 1D and 2D barcodes and low contrast barcodes as low as 25%, the CipherLab 2500ER series eases its aiming for scanning excellence on tiny objects or the barcodes which are poorly printed. CipherLab 2500 series equips with a scan beam of 3 mm in width from 15 cm away that allows users to reduce the probabilities of misreads while barcodes are placed close to each other. The CipherLab 2500 series handheld scanner maximizes workforce productivity for everyday operations in a variety of business.



### Key features of the Cipherlab A2564ER 2D code industrial scanner

Bluetooth v4.0 Dual Mode with EDR

IP65 rating and 1.8 m/ 6 ft. drop resistance

Snappy 55 scan rate and 15% PCS

Auto detection of USB, RS232 and keyboard wedge interface

Swappable battery runs up to 24 hours on single charge

ESD Protection  $\pm 10$  kV(contact),  $\pm 20$  kV (air)

[Web-based ScanMaster setup tool](#) for easy access and configuration



# Technical Description

## Functionality & Operation

|                          |                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 2D Code Symbolologies    | MicroPDF417, Composite codes, TLC-39, PDF417, HanXin Code, GS1 DataMatrix, GS1 QR Code, Data Matrix, QR code, Micro QR Code, Aztec, MaxiCode |
| 1D Barcode Symbolologies | All standard one-dimension barcodes                                                                                                          |
| Wireless communication   | Bluetooth®                                                                                                                                   |
| WPAN Features            | Bluetooth® v4.0                                                                                                                              |

## Optical

|                     |                         |
|---------------------|-------------------------|
| Resolution          | 1280 x 800 px           |
| Light source        | visible red LED 660 nm  |
| Depth of scan field | 7.62 cm ~ 1778 cm       |
| Scanning rate       | 30 fps ~ 55 fps         |
| Bar code scanner    | Advanced Long 2D Imager |
| Resolution          | 1D: 3 mil / 2D: 5 mil   |
| Minimal PCS value   | 25%                     |
| Maximal skew angle  | 60°                     |
| Maximal pitch angle | 60°                     |

## Electrical

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Main battery pack operating time | 24hr                                       |
| Main battery pack                | Rechargeable Li-Ion battery 3000 mAh, 3.7V |

## Mechanical

|            |                                             |
|------------|---------------------------------------------|
| Weight     | 320.3g                                      |
| Color      | black, yellow                               |
| Dimensions | Width: 66mm, Height: 160.5mm Length: 98.2mm |

## Environment

|                                     |             |
|-------------------------------------|-------------|
| Maximal ambient light               | 100000lux   |
| Operating temperature               | 0 to 50°C   |
| Storage temperature                 | -40 to 70°C |
| Operating humidity (non-condensing) | 10 to 90%   |
| Storage humidity (non-condensing)   | 5 to 95%    |
| Ingress protection                  | IP65        |

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