

# MacSema BI 3500



## ButtonMemory<sup>®</sup>/Bar Code



## FEATURES

- Dual Use-Scans Bar Codes and Reads & Writes to Contact Memory Buttons (CMB)
- Reads Data Matrix, 1D & 2D Barcodes
- 8 MB Flash Memory
- Reads 32K Button in One Second
- Full Alpha-Numeric Keypad & Function Keys
- Optional Extended Read Head for MacSema MiniButtons or MicroButtons
- Optional Backlit Key Pad
- Compact Rugged Metal Case Fits in Palm
- Lithium Polymer Rechargeable Battery

## OVERVIEW

MacSema's ButtonImager (BI3500) is a multi-functional, palm sized, portable data collector. It includes an integrated read head to read and write to Minibuttons, a 1D and 2D bar code scanner and a full alpha-numeric keypad for data entry. The ButtonImager allows buttons and bar codes to be used in the same application. Data input can be from scroll lists, keypad entry, buttons and bar codes.

The BI 3500 is easy to use; scan a bar code or touch a ButtonMemory and the data is displayed. Updated information such as who did what, and when, is left on the button. All transactions are time stamped and a copy of each transaction's data is stored securely in FLASH memory for later transfer to a PC. 8 MB flash offers extended data collection capacity and retains the data even when the battery is changed.

Designed for rugged environments, the ButtonImager is housed in a machined aluminum case which resists dust and moisture and will survive a 4-foot drop. An optional extended read head allows reading and writing to MiniButtons and/or MicroButtons. Perfect for maintenance, inspection, asset tracking and configuration management. An optional backlit key pad allows the ButtonImager to be used in the dark.

ButtonImager can be programmed with MacSema's Software Developer's Kit. In addition, MacSema offers custom software application development.



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P/N RLD3M1BMF

<p><b>Single-Station Downloader/Charger</b> Charges &amp; Communicates Part # DSS3BL</p> <p>USB or Serial Part # DSS3BLC Serial only Part # DSS3BL</p>	
<p><b>FingerTip Reader</b> Read/Writes to MiniButton Part # AFT301</p>	
<p><b>Mini/Micro FingerTip Reader</b> Read/Writes to Mini &amp; MicroButtons Part # AFT304</p>	
<p><b>USB Cable for DownLoader</b> (USB 2.0 A/B) Part # CIB03</p>	
<p><b>Serial Cable Part # C1B02</b></p> <p><b>Transformer Part # ATUM6</b></p>	

## TECHNICAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

<b>Dimensions</b>	3.43" wide x 7.18" long x 1.95" thick (87.1mm x 182.40mm x 49.6mm)
<b>Weight</b>	17.0 ounces
<b>Operating Temperature</b>	32° to 140° F (0° to 60° C)
<b>Storage Temperature</b>	-4° to 158° F (-20° to 70° C)
<b>Humidity</b>	5-95% non condensing
<b>Display</b>	128x64 Graphic LCD w/ optional backlighting
<b>Keyboard</b>	21 programmable keys w/ Backlit key pad optional
<b>Case Material &amp; Color</b>	Machined aircraft-grade aluminum. Black powder coated finish
<b>Read Head</b>	Gold-plated aircraft-grade brass
<b>Power</b>	Rechargeable 3.7, 780mA Lithium Polymer battery pack; battery status icon; automatic sleep mode to conserve power
<b>Recharging</b>	3 hours to fully charge a completely drained battery
<b>LED</b>	Superbright LED
<b>Audio</b>	Beeper with variable pitch, loudness and duration with user definable settings

### PERFORMANCE CHARACTERISTICS

<b>Reads/Writes to Buttons</b>	64K Byte, 32K Byte, 8K Byte, 2K Byte, 256 Byte, 128 Byte and read only MiniButtons and MicroButtons
<b>Read Time</b>	One second for a 32K Byte MiniButton
<b>Memory Size</b>	512K/1MB SRAM, 8MB Data Flash
<b>CPU</b>	ARM7 @ 20.5 MHz
<b>Clock</b>	Crystal controlled, real-time clock reports accuracy to 1/100 second.
<b>Interfaces</b>	USB or Serial RS232
<b>Bar Code Scanner</b>	CCD Imager. Reads Data Matrix, 1D & 2D Bar Codes
<b>Scan Distance</b>	2.1 to 13 inches
<b>DownLoaders/Rechargers</b>	Single-Station Downloader P/N (DSS3BL)
<b>Software</b>	Development Kit P/N SMR3DV
<b>Warranty</b>	One-year limited warranty against defects in materials or workmanship. 30 day money back guarantee
<b>Made in U.S.A.</b>	