

# GL-3000

## Bluetooth® Wearable Barcode Scanner

### Highlights

- Lightweight, wearable barcode scanner allows for all day comfort and scanning efficiency
- Back of the hand design provides complete freedom in handling items even in tight spaces
- Hands-free barcode scanning enables your workforce to safely and quickly streamline high-volume warehouse tasks such as picking, sorting, putaway, and packing
- Scanner easily inserts into the glove to transform into a wearable scanner
- Barcode scanner is triggered via external thumb button
- High-performance (100 frames per second) 2D Imager barcode scan engine that rapidly scans and decodes a wide variety of 1D or 2D barcodes
- Bluetooth 4.2 compliant that supports Bluetooth Low Energy (BLE)
- NFC tag for easy, quick Bluetooth pairing
- Wireless charging with any Qi compatible charging pad or charging via USB-C port
- Ideal wearable companion scanner for Apple and Android mobile devices
- Accurate battery monitoring, lasts a full working shift up to 20 hours
- Configurable and programmable with the free Software Development Kit (SDK) to customize scanning behavior
- Reliable and durable - survives 5 foot drops to concrete
- Backed by a two year warranty



# GL-3000

## Product Specifications

### OPERATION

**CPU:** 32-bit

**OS:** Proprietary

**SOFTWARE:** 4 applications available (more applications are programmable in C-language. Free software development kit with free RX compiler)

**RTC:** Supports year, month, day, hour, minute, second (leap year supported)

### MEMORY

**FLASHROM:** 512 kB

**RAM:** 96 kB

**EXTERNAL FLASHROM:** 1 MB (>50,000 barcodes + time stamp)

### OPERATING INDICATORS

**VISUAL:** 2 LED (red/green/blue)

**AUDIBLE:** Buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 2 keys total, 1 function key, 1 scan key

**STRAP:** 1 scan trigger

### COMMUNICATION

**USB:** USB-C, supports USB-HID, USB-COM, USB-MSD

**BLUETOOTH:** Version 4.2 (BLE), SPP, HID, 1 to 1 connection, master & slave mode, authentication and encryption

### POWER

**RECHARGEABLE BATTERY:** Lithium-Ion 3.7V 400mAh

#### OPERATING TIME:

Batch: 4500 scans (1 scan / 5 sec)

Batch, idle: 2 months

Bluetooth: 3500 scans (1 scan / 5 sec)

Bluetooth, idle: 27 hours

**DATA RETENTION TIME:** Indefinite

**CHARGING METHOD:** Wireless with any Qi compatible charging pad or with an USB-C cable

### 2D IMAGER OPTICS

**ENGINE:** Opticon

**LIGHT SOURCE:** Aiming green LED, warm white illumination LED

**SCAN METHOD:** CMOS area sensor, 640 x 480 pixels, black and white

**SCAN RATE:** 100 scans/sec

**READING PITCH ANGLE:**  $\pm 65^\circ$

**READING SKEW ANGLE:**  $\pm 65^\circ$

**READING TILT ANGLE:**  $360^\circ$

**CURVATURE:** R>20 mm (EAN13)

**MINIMUM PCS VALUE:** 0.2

#### FIELD OF VIEW:

Horizontal:  $38^\circ$

Vertical:  $28.9^\circ$

Diagonal  $46.4^\circ$

#### DEPTH OF FIELD AT CODE 39:

5 mil (0.127 mm) 2.16 - 5.04 in (55 - 128 mm)

10 mil (0.25 mm) 2.13 - 9.41 in (54 - 239 mm)

20 mil (0.5 mm) 2.79 - 17.13 in (71 - 435 mm)

#### DEPTH OF FIELD AT QR CODE:

6.7 mil (0.169 mm) 2.44 - 4.45 in (62 - 113 mm)

15 mil (0.381 mm) 0.94 - 9.92 in (24 - 252 mm)

### SUPPORTED SYMBOLOGIES

**BARCODE (1D):** JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 Databar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey

**BARCODE (2D):** Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Composite codes, Data matrix (ECC200), Passport MRZ (OCR-B), maxi Code (mode 2-5), MicroPDF417, MicroQR Code, PDF417, QR Code

**BARCODE (POSTAL CODES):** Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET

### DURABILITY

#### TEMPERATURE:

Operation: -4 to 140 °F (-20 to 60 °C)

Storage: -40 to 158 °F (-40 to 70 °C)

#### HUMIDITY:

Operation: 5% to 90% (non-condensing)

Storage: 5% to 90% (non-condensing)

#### AMBIENT LIGHT IMMUNITY:

Incandescent: 10,000 lx max

Fluorescent: 10,000 lx max

Direct sun: 100,000 lx

**DROP TEST:** 5 ft (1.5 m) drop onto concrete surface

**VIBRATION TEST:** 12 - 200Hz with 3.3G for 10 min

**PROTECTION RATE:** IP 42

### PHYSICAL

#### DIMENSIONS (WXHXD):

Without glove: 1.27 x 0.82 x 1.88 in

(32.3 x 20.8 x 47.7 mm)

### REGULATORY AND SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, RoHS, IEC62471:2006

### PART NUMBERS

GL3000R-00, barcode scanner with right hand glove

GL3000L-00, barcode scanner with left hand glove

77-YGLVM3000RH00-00, right hand glove

77-YGLVM3000LH00-00, left hand glove

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