

# 3200

## Handheld Linear Imager

The 3200 delivers quality linear barcode scanning and user friendly ergonomics, combined in a solution that's affordable and dependable for a wide variety of applications. Whether you're automating a pen and paper process, or require a high-quality yet cost effective barcode scanner to replace your existing devices, the 3200 is an ideal solution.

Linear imaging technology provides high scanning performance on all linear barcodes – even those that are damaged or poorly printed - and features the added value of being 100% solid-state, with no moving parts that can fail or become misaligned.

Unlike other value-priced solutions that sacrifice usability features, the 3200 provides an ergonomic pistol-grip and user-preferred finger trigger design for comfortable and intuitive use.

With a 2-year warranty and durable design, the 3200 provides a great value to customers who require reliable barcode scanning solution at an affordable price.



## Features

- **Linear Imaging Technology:** Fast barcode scanning, even on poorly printed or damaged linear codes.
- **User-Friendly Design:** Pistol-style with index finger trigger ensuring operator comfort and ease of use.
- **Reliable:** The durability of 100% solid state technology and a 2-year warranty.
- **Ease of Connectivity:** Common interfaces are integrated to ensure fast and easy connection to your host or PC.
- **Future Proof Symbology Support:** GTIN compliant, GS1 DataBar capable.
- **Intuitive Aiming Line:** Thin, crisp aiming line for ease-of-use in scanning bar coded menus and densely populated documents.
- **Intuitive User Feedback:** Fully programmable options for application-specific "good read" LED and beeper settings.

### High Performance Linear Image Scanners:



3800g  
General Purpose Scanner



3820  
Cordless Light Industrial Scanner



3800i  
Industrial Scanner

# 3200 Specifications

## Performance

<b>Illumination:</b>	630 NM Visible Red LED
<b>Receiving Device:</b>	2048 element linear imager
<b>Reading Distance:</b>	From .5 in. (1.3 cm) to 10 in. (25 cm) on medium density bar codes
<b>Reading Width:</b>	15 mil code 4 in. (11 cm) wide at 3.5 in. (9 cm)
<b>Resolution:</b>	4 mil. at 4 in. (10 cm) distance
<b>Skew Angle:</b>	±55°
<b>Pitch Angle:</b>	±55°
<b>Minimum Symbol Contrast:</b>	30%
<b>Scan Rate:</b>	200 plus scans per second

## Mechanical/Electrical

<b>Length:</b>	3.7 in. (9.5 cm)						
<b>Height:</b>	6.0 in. (15.2 cm)						
<b>Width:</b>	2.7 in. (6.8 cm)						
<b>Weight:</b>	5.1 oz. (143 g)						
<b>Housing:</b>	UL 94V0 grade						
<b>Power Requirements:</b>	3200: 4.75 - 5.25Vdc at scanner						
<b>Current Draw (Maximum):</b>	<table> <tr> <td><b>Input</b></td> <td><b>Scanning</b></td> <td><b>Idle</b></td> </tr> <tr> <td>5 V</td> <td>235mA</td> <td>86mA</td> </tr> </table>	<b>Input</b>	<b>Scanning</b>	<b>Idle</b>	5 V	235mA	86mA
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5 V	235mA	86mA					

## Power Supply

<b>Noise Rejection:</b>	Maximum 100mV peak to peak, 10 to 100 kHz
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## Environmental

<b>Operating Temperature:</b>	+32°F to +122°F (0°C to +50°C)
<b>Storage Temperature:</b>	-4°F to 140°F (-20°C to +60°C)
<b>Humidity:</b>	0 to 95%, non-condensing
<b>Mechanical Shock:</b>	Operational after 25 drops from 4 ft. (1.2 m) to concrete
<b>Ambient Illumination:</b>	0 - 70,000 lux
<b>ESD Protection:</b>	Exceeds CE EN55024
<b>Vibration:</b>	Withstands 5G peak from 22 to 300 Hz
<b>Agency:</b>	<b>USA:</b> FCC Part 15 subpart B Class B. <b>Canada:</b> ICES-003 Class B. <b>Europe:</b> CE 2004/108/EC EMC Directive to EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3. 2006/95/EC Low Voltage Directive <b>Australia/NZ:</b> C-Tick mark <b>Japan:</b> VCCI
<b>MTBF:</b>	per MIL-HDBK-217F Ground Benign exceeds 85,000 hours
<b>Symbologies:</b>	Codabar, Code 3 of 9 including PARAF, Interleaved 2 of 5, Straight 2 of 5 Industrial, Matrix 2 of 5, Code 11, Code 93, Code 128, UPC, EAN/JAN, China Postal Code, GS1 DataBar. 2005 Sunrise/GTIN compliant
<b>Interfaces:</b>	3200: All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, and (Host Powered) TTL level RS-232
<b>Warranty:</b>	Two year factory warranty.

### Typical Performance\*

Narrow Width	Depth of Field
5.0 mil	1.5 - 4.5 in. (3.8 - 11.4 cm)
13 mil (100% UPC)	.5 - 9 in. (1.3 - 23 cm)

\*may be impacted by bar code quality and environmental conditions

## Automation and Control Solutions

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