

3800g

Linear-Imaging Scanner

From the global leader in imaging technology comes the 3800g—the newest member of the legendary 3800 family of linear imagers.

The first in a new class of 3800 linear imagers, the 3800g was built to deliver world-class performance for a broad range of market applications.

Featuring an ideal balance of performance, durability, ergonomics, and connectivity solutions, the 3800g delivers years of hassle-free scanning for applications in retail, warehouse, manufacturing, distribution—and all points in-between.

The first linear imager to earn the Adaptus® Imaging Technology brand, the new 3800g is powered by Adaptus 5.0, delivering breakthrough linear imaging performance and versatility. Fast, intuitive bar code reading across a range of high and low density codes, the 3800g quickly reads even damaged and poorly printed bar codes—all in a single device.

Sound, ergonomic design and class-leading durability, coupled with aggressive reading performance, makes the new 3800g the ideal choice for customers who appreciate best-in-class value in a hand-held linear reader.



Features

- **Performance and Versatility Powered by Adaptus Imaging Technology 5.0:**
 - Excellent tolerance to lateral hand motion (4x faster) makes 3800g easy to use.
 - 270 scans per second makes bar code reading faster than ever.
 - Improved depth of field across a broad range of linear bar codes.
 - Working range from .5 inches to 18 inches on 100% UPC/EAN symbols.
 - Improved ability to read damaged or poorly printed bar codes.
- **General Purpose Reader:** Single device covering the broadest range of customer applications
- **Modern, Ergonomic Design:** Sleek, modern industrial design results in a smaller, lighter device for increased operator comfort and productivity
- **Durable:** No moving parts to wear out. Full impact resistant bumpers and a 5 year warranty make the 3800g one of the toughest scanners on the market
- **Connectivity:** All popular interfaces are on board. Includes Visual Express™ software for ease-of-integration. Supports Unified POS standard and Windows® Embedded for Point of Service, for retail connectivity
- **Common Cabling:** Uses same cable solutions as our linear, 2D, and cordless imagers—for easy ordering and efficient spares pools
- **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
- **Full Line of Accessories:** Includes presentation scanning, global power choice options, and purpose built mounting solutions
- **Intuitive User Feedback:** Fully programmable options for application-specific “good read” LED and beeper settings

3800g Technical Specifications

Mechanical

Dimensions (LxWxH)	112 mm x 79 mm x 150 mm (4.4" x 3.1" x 5.9")
Weight	159 g (5.6 oz)

Electrical

Input Voltage	3800GX4E: 5 VDC \pm 0.5 V; 3800GX5E: 4.5 - 12 VDC
Operating Power	250mA
Standby Power	3800GX4E: 430 mW (86 mA @ 5 V); 3800GX5E: 780 mW (65 mA @ 12 V)
Host System Interfaces	3800Gx4E: USB, TTL level RS232, Keyboard Wedge 3800Gx5E: USB, TTL level RS232, Keyboard Wedge, IBM 46xx (RS485)

Environmental

Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-40°F to 140F (-40°C to 60°C)
Humidity	0 to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.5 m (5') drops
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	70,000 Lux

Scan Performance

Scan Pattern	Linear Image (CCD: 3648 pixels)
Scan Speed	270 scans per second
Motion Tolerance	51 cm/s (20 in/s) with 13 mil UPC at optimal focus
Scan Angle	3800g: Horizontal: 47°; 3800ghd: Horizontal: 51°
Print Contrast	20% minimum reflectance difference
Pitch, Skew	65°, 65°
Decode Capabilities	Reads standard 1D and GS1 DataBar symbologies.
Warranty	5 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies



For more information:
www.honeywellaidc.com

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Typical Performance*	
Narrow Width	Depth of Field
5.0 mil	51 mm - 203 mm (2.0" - 8.0")
7.5 mil	38 mm - 305 mm (1.5" - 12")
10 mil	25 mm - 381 mm (1.0" - 15")
13 mil	13 mm - 457 mm (0.5" - 18")
15 mil	25 mm - 559 mm (1.0" - 22")
20 mil	25 mm - 660 mm (1.0" - 26")

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

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