Honeywell

3800g

General Purpose Linear Imager

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 handheld 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:** Built to last with 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 Specifications

Performance	
Illumination:	630 NM Visible Red LED
Receiving Device:	3648 element linear imager
Reading Distance:	From .5 in. (1.3 cm) to 18 in. (46 cm) on medium density bar codes
Reading Width:	7.5 mil code: 7 in. (18 cm) from nose, 3.5 in. (8.9 cm) wide 13 mil code: 12.5 in. (31.8 cm) from nose, 8.0 in. (20.3 cm) wide
Resolution:	3 mil. at 4 in. (10 cm) distance
Skew Angle:	±65º
Pitch Angle:	±65º
Horizontal Velocity:	20 in. (51 cm) per second
Minimum Symbol Contrast:	20%
Scan Rate:	Up to 270 scans per second
Decode Rate:	270 decodes per second
Mechanical/Electrical	
Length:	4.4 in. (11.2 cm)
Height:	5.9 in. (15.0 cm)
Width:	3.1 in. (7.9 cm)
Weight:	5.6 oz. (158.8 g)
Housing:	UL 94V0 grade
Power Requirements:	3800GX5E: 4.5 - 12Vdc at scanner 3800GX4E: 4.5 - 5.5Vdc at scanner
Current Draw (Maximum):	Input / Scanning / Idle 5 V / 235mA / 86mA 12 V / 145mA / 65mA
Power Supply	
Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz
Environmental	
Operating Temperature:	+32ºF to +122ºF (0ºC to +50ºC)
Storage Temperature:	-40ºF to 140ºF (-40ºC to +60ºC)
Humidity:	0 to 95%, non-condensing
Mechanical Shock:	Operational after 50 drops from 5 ft. (1.5 m) to concrete
Ambient Illumination:	0 - 70,000 lux
ESD Protection:	Functional after 15kV discharge
Vibration:	Withstands 5G peak from 22 to 300 Hz
Agency:	**International:** CB scheme to IEC60950-1 & IEC60825-1 Class 1 LED. **USA:** FCC Part 15 subpart B Class B. UL listed to 60950-1. **Canada:** ICES-003 Class B. cUL listed to CSA C22.2 No. 60950-1-03. **Europe:** CE 2004/108/EC EMC Directive to EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3. 2006/95/EC Low Voltage Directive. **GS Mark:** GS marked for I.T.E. safety. **Mexico:** NOM-NYCE. **Korea:** MIC Class A. **Taiwan:** BSMI. **Australia/NZ:** C-Tick mark.
MTBF:	per MIL-HDBK-217F Ground Benign exceeds 100,000 hours
Symbologies:	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, and ISBT 128 Concatenation (requires a paid license).
Interfaces:	3800GX5E: All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, TTL level RS-232, IBM, 46XX retail terminals, and Retail USB. 3800GX4E: All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, and TTL level RS-232
Warranty:	Five year factory warranty.

*Typical Performance**

Narrow Width	*Depth of Field*
5.0 mil	*2.0 - 8 in. (5 - 20 cm)*
7.5 mil	*1.5 - 12 in. (4 - 30 cm)*
10 mil (80% UPC)	*1.0 - 15 in. (3 - 38 cm)*
13 mil (100% UPC)	*.5 - 18 in. (1 - 46 cm)*
15 mil	*1.0 - 22 in. (3 - 56)*
20 mil	*1.0 - 26 in. (3 - 66 cm)*

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

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