

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:	±65°
Pitch Angle:	±65°
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):	<table border="1"> <thead> <tr> <th>Input</th> <th>Scanning</th> <th>Idle</th> </tr> </thead> <tbody> <tr> <td>5 V</td> <td>235mA</td> <td>86mA</td> </tr> <tr> <td>12 V</td> <td>145mA</td> <td>65mA</td> </tr> </tbody> </table>	Input	Scanning	Idle	5 V	235mA	86mA	12 V	145mA	65mA
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Power Supply

Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz
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Environmental

Operating Temperature:	+32°F to +122°F (0°C to +50°C)
Storage Temperature:	-40°F to 140°F (-40°C to +60°C)
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 GSA 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

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 cm)
20 mil	1.0 - 26 in. (3 - 66 cm)

*may be impacted by bar code quality and environmental conditions

Honeywell