Honeywell

Granit 1980i

Industrial-Grade Full-Range Area-Imaging Scanner

The Granit™ 1980i industrial-grade scanner features full-range area-imaging technology capable of reading both 1D and 2D barcodes across a wide range of distances. From poor quality 2 mil codes scanned at close range, to 100 mil codes hanging from warehouse rafters scanned at ranges of 52 feet (16m), the 1980i is built to perform. With an unmatched range that provides incredible versatility, Granit enables maximum operator productivity in the harshest environments.

The 1980i is packed with technologies that make it simple to use. An integrated laser pointer aiming system with auto-illumination, omni-directional reading capability, and support for centering take the guesswork out of scanning at extended ranges. Operators of fork trucks equipped with vehicle-mounted mobile computers, such as the Honeywell Thor™ series, will appreciate how the full-range scanning capability of 1980i allows them to remain seated—and hence more productive—while scanning pallets at extended ranges.

As a member of the Granit family of scanners, the 1980i is built to withstand the varied demands of harsh working environments. Utilizing the Granit housing that has long set the standard for scanner reliability, the 1980i is rated IP65 and is built to survive 5,000 tumbles from 3.2 feet (1m) and 50 drops to concrete from 6.5 feet (2m)—even in temperatures as low as -22°F (-30°C). As a result, operations that deploy Granit scanners can expect to experience minimal device downtime and a lower overall cost of ownership.



Features

- **Full-Range Area-Imaging Performance:** Scans low density (100 mil) codes out to 52 feet (16 m) and high density (2 mil) codes at close range—and everything in between.
- **Built Granit Tough:** Tested to withstand the toughest environments, Granit is rated IP65 and can withstand 5,000 tumbles from 3.2 ft (1 m) and 50 drops to concrete from 6.5 ft (2 m).
- **Easy to Use:** A laser-spot aimer, omni-directional scanning, and features such as centering take the guesswork out of scanning at extended ranges.
- **Industrial Grade Cable Option:** Tested to withstand 300,000 90-degree bends at temperatures as low as -22°F (-30°C). Continues to communicate when up to 60 pounds of force is applied.
- **Single Scanning Solution:** Can replace and consolidate multiple purpose-built scanners in typical distribution center and warehouse environments.

Granit 1980i Technical Specifications

Mechanical	
Dimensions (LxWxH)	133 mm x 75 mm x 195 mm (5.2” x 2.9” x 7.6”)
Weight	335 g (11.8 oz)
Electrical	
Input Voltage	4.0 to 5.5 VDC
Operating Power	2.35 W (470 mA @ 5.0 V)
Standby Power	0.5 W (100 mA @ 5.0 V)
Host System Interfaces	USB and True RS232
Environmental	
Operating Temperature	-30°C to 50°C (-22°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	0 to 95% relative humidity, non-condensing
Drop	Designed to withstand 50 2m (6.5’) drops to concrete at -30°C
Tumble	5,000 1m (40’) tumbles
Environmental Sealing	IP65
Light Levels	0 to 100,000 lux (9,290 foot-candles)
ESD	±20Kv air discharge, ±8kV contact discharge
Scan Performance	
Scan Pattern	Area Imager
Scan Angle	Horizontal: 12.9° Vertical: 8°
Symbol Contrast	1D Codes: 30% minimum reflectance difference 2D Codes: 40% minimum reflectance difference
Min. Resolution	1D & 2D Codes: 2 mil
Pitch, Skew	70°, 80°
Warranty	3 year factory warranty

Refer to the Honeywell Scanning & Mobility Compliance Center (www.honeywellaidc.com/compliance) to review and download any publicly available documentation pertaining to the certification of this product in a given country.

Refer to the Honeywell Scanning & Mobility Supported Symbologies Datasheet (www.honeywellaidc.com/symbologies) for a complete listing of all supported bar code symbologies.

Specifications are subject to change without notice.



Symbology	Barcode Narrow Width	Depth of Field (Typical*)
Code 39	7.5 mil	10.0 - 164.9 cm (3.9 - 64.9 in)
	10 mil	10.0 - 216 cm (3.9 - 85.0 in)
	20 mil	15.2 - 434.5 cm (6.0 - 171.0 in)
	40 mil	36.4 - 989.1 cm (14.3 - 389.4 in)
	55 mil	52.2 - 1322.4 cm (20.5 - 520.6 in)
	100 mil	103.4 - 1600 cm (40.7 - 629.9 in)
EAN/UPC	13 mil	12.2 - 229.8 cm (4.8 - 90.5 in)
DataMatrix	7.5 mil	10.0 - 75.9 cm (3.9 - 29.9 in)
	10 mil	10.0 - 102.3 cm (3.9 - 40.3 in)
	55 mil	42.8 - 591.3 cm (16.9 - 232.8 in)
	100 mil	80.7 - 1032.5 cm (31.8 - 406.5 in)

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

For more information:
www.honeywellaidc.com

GraphicALL systems *één leverancier, altijd de juiste oplossing*
Neon 23, 4751 XA, Oud Gastel
0165-349480 - info@graphicall.com - www.graphicall.com

Honeywell Scanning & Mobility
9680 Old Bailes Road
Fort Mill, SC 29707
800.582.4263
www.honeywell.com

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