Honeywell

Orbit 7120/OrbitCG 7180

Omnidirectional Laser Scanners

Honeywell's Orbit® series of scanners provide aggressive omnidirectional scanning in an award-winning design for retailers seeking an affordable, aesthetically-pleasing scanning solution.

Orbit, the all-time, best-selling hands-free omnidirectional scanner, presents an innovative, elegant and affordable solution for convenience retail applications where counter space is at a premium.

Compact, lightweight and rugged, Orbit maximizes customer satisfaction and employee efficiency with a patented 20-line scan pattern, an easy-to-find sweet spot and a scan speed of 1,120 scans per second.

Recipient of multiple design honors, Orbit's award-winning shape enables hand-held scanning of large, bulky items. For added flexibility, the scanning head can be tilted within a 30° range to accommodate objects of various sizes and shapes.

For applications that require menu scanning, OrbitCG 7180 combines the power of patented CodeGate® technology with many of the outstanding features already found in the Orbit® 7120. CodeGate technology allows the user to easily target the desired bar code and complete data transmission with the push of a single button.

The scanner's expanded ability to update its firmware via Honeywell's free patented MetroSet®2 configuration software safeguards long-term infrastructure commitments in the event of a change in the POS system or software.

Standard features include an integrated EAS antenna for tag deactivation (OrbitCG 7180 only), power save mode, user-replaceable cables, Honeywell's patented MetroSelect and MetroSet®2 for easy configuration, data editing and OPOS/JPOS compatibility for easy installation.

Features

- **20 Scan Line Omnidirectional Pattern:** Provides aggressive scanning as an additional benefit to hand presentation applications
- **Sweet Spot Scanning:** Engineered "sweet spot" to optimize scan performance and first pass read rate
- **Adjustable Scan Head:** Ability to tilt scanner 30° for targeted scanning or larger products
- **Flash ROM:** Protects POS investment with free firmware updates via MetroSet®2 software and standard PC
- **Automatic Scanning Operation:** Simply present a bar code and the unit scans in a single pass
- **Built-in RF EAS Antenna (Orbit 7180 only):** Increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes

Orbit 7120/OrbitCG 7180 Technical Specifications

Mechanical	
Dimensions (LxWxH)	105 mm x 102 mm x 150 mm (4.1˝ x 4.0˝ x 5.9˝)
Weight	400 g (14.1 oz)
Electrical	
Input Voltage	5 VDC ± 0.25 V
Operating Power	900 mW (180 mA @ 5 V)
Standby Power	850 mW (170mA @ 5 V)
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 468xx (RS485), Light Pen Wand Emulation
Environmental	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.2 m (4´) drops
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	4842 Lux
Scan Performance	
Scan Pattern	Omnidirectional: 5 fields of 4 parallel lines; button activated single line (7180)
Scan Speed	Omnidirectional: 1120 scan lines per second; single line: 56 scan lines per second (7180)
Print Contrast	35% minimum reflectance difference
Pitch, Skew	60°, 60°
Decode Capability	Reads standard 1D and GS1 DataBar symbologies
Warranty	3 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

Typical Performance*	Orbit 7120	Orbit 7180
Narrow Width	Depth of Field	Depth of Field
5.2 mil	0 mm - 50 mm (0˝ - 2.0˝)	0 mm - 50 mm (0˝ - 2.0˝)
7.5 mil	0 mm - 150 mm (0˝ - 5.9˝)	0 mm - 150 mm (0˝ - 5.9˝)
10 mil	0 mm - 175 mm (0˝ - 6.9˝)	0 mm - 220 mm (0˝ - 8.7˝)
13 mil	0 mm - 215 mm (0˝ - 8.5˝)	0 mm - 275 mm (0˝ - 10.8˝)
26 mil	0 mm - 250 mm (0˝ - 9.8˝)	0 mm - 300 mm (0˝ - 11.8˝)

*Resolution: 5 mil (0.125 mm)
*Performance may be impacted by bar code quality and environmental conditions

For more information:
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