

# Orbit 7120

## Omnidirectional Laser Scanner

Honeywell's Orbit® 7120 provides 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 to 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.

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

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.

Standard features include 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

# Orbit 7120 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 $\pm$ 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
Scan Speed	1120 scan lines per second
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](http://www.honeywellaidc.com/compliance)  
 For a complete listing of all supported bar code symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies)



**For more information:**  
[www.honeywellaidc.com](http://www.honeywellaidc.com)

### Honeywell Scanning & Mobility

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Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	0 mm - 50 mm (0" - 2.0")
7.5 mil	0 mm - 150 mm (0" - 5.9")
10 mil	0 mm - 220 mm (0" - 8.7")
13 mil	0 mm - 275 mm (0" - 10.8")
26 mil	0 mm - 300 mm (0" - 11.8")
*Resolution: 5 mil (0.125 mm)	
*Performance may be impacted by bar code quality and environmental conditions	