

# MS3580 QuantumT

## Omnidirectional Laser Scanner

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Honeywell's MS3580 QuantumT® provides retailers with industry-leading omnidirectional scan performance and optional single-line scanning in a convenient size. The small footprint and numerous stand options for QuantumT minimize required counter space, increasing available room for merchandise and advertisement displays.

Ideal for presentation scanning in moderate-volume retail environments such as convenience stores, liquor stores and pharmacies, end users can individually customize the scan pattern and operate the scanner in either a hand-held or hands-free fashion. In addition, its rugged, rubber housing provides the necessary protection against daily operational use.

QuantumT, with an industry-leading 1,650 scans/second, provides aggressive first-pass scanning, reducing the time it takes to scan products, increasing customer satisfaction and employee efficiency. The single-line scan feature, enabled by the push of a button, saves time and reduces unwanted scans on menu-style codes by providing targeted scanning through Honeywell's patented CodeGate® technology. Hand-held operation ensures easy scanning of larger, bulkier products that cannot be easily presented to stationary scanners.

QuantumT can be positioned at the user's convenience; mounted to a wall or countertop, atop one of four optional stands, or free standing for easy hand-held use. Other key features include Honeywell's patented IR activation mode, user-replaceable Powerlink cables and Flash memory.

For more information on the MS3580 QuantumT omnidirectional laser scanner, please visit [www.honeywell.com/aidc](http://www.honeywell.com/aidc)



## Features

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- Omnidirectional/Single-Line Mode: Alternate between 20 scan lines for omnidirectional scanning and a single scan line for menu scanning
- Sleep Mode with IR Wake-Up: Multiple sleep modes reduce power consumption, extending life and lowering cost of operation
- Small Footprint: Keeps valuable counter space clear
- Optional Stands: Customize the height of the scanner for unique applications
- OPOS and JPOS System Compatible: Easily adaptable to any end-user environment

# MS3580 QuantumT Technical Specifications

## Operational

Light Source	Visible Laser Diode 650 nm ± 10 nm
Visual Indicators	Blue = ready to scan; White = good read
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485), OCIA, Laser Emulation, Light Pen Wand Emulation

## Mechanical

Dimensions (LxWxH)	66 mm x 67 mm x 108 mm (2.6" x 2.7" x 4.3")
Weight	170 g (6 oz)

## Electrical

Input Voltage	5 VDC ± 0.25 V
Operating Power (typical)	1.4 W (275 mA @ 5 V)
Standby Power (typical)	1.2 W (230 mA @ 5 V)
DC Transformers	Class 2: 5.2 VDC @ 1 A
Laser Class	Class 1: IEC60825-1, EN60825-1
EMC	FCC Part 15, ICES-003, EN55022 Class B

## Environmental

Operating Temperature	-20°C to 40°C (-4°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 1.5 m (5') drops
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	4842 Lux (450 foot-candles)

## Scan Performance

Scan Pattern	Omnidirectional: 5 fields of 4 parallel lines; Button activated single line
Scan Speed	Omnidirectional: 1650 scan lines per second; Single line: 80 scan lines per second
Print Contrast	35% minimum reflectance difference
Pitch, Skew	60°, 60°
Decode Capability	Reads standard 1D and GS1 DataBar symbologies. Visit <a href="http://www.honeywell.com/aidc/symbologies">www.honeywell.com/aidc/symbologies</a> for details.
Warranty	3 year factory warranty



Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	38 mm - 101 mm (1.5" - 4.0")
7.5 mil	19 mm - 184 mm (0.8" - 7.3")
10.4 mil	19 mm - 235 mm (0.8" - 9.3")
13 mil	19 mm - 273 mm (0.8" - 10.8")
26 mil	19 mm - 298 mm (0.8" - 11.8")
*Resolution: 5 mil (0.125 mm)	
*Performance may be impacted by bar code quality and environmental conditions	