

6300dpm / 6320dpm

Direct Part Mark Imagers

The 6300dpm series of hand-held imagers sets the industry standard for reading Direct Part Mark (DPM) codes for part traceability.

DPM identification for part traceability demands rugged, self-contained imagers that perform consistently on all types of codes and parts. The 6300dpm series offers the only imagers in the industry that read everything from the most challenging DPM codes to the easiest printed bar codes. And, these imagers are designed to hold up to the harshest environments. When you add Honeywell's outstanding ergonomics and durability to the list of breakthrough features, these imagers are the clear choice for customers who demand best-in-class performance from their DPM solutions.

The 6300dpm series includes the 6300 corded and 6320 cordless models. Both models are powered by Adaptus® Imaging Technology 5.0—the world's leading technology brand for image-based bar code reading.

The 6300dpm series supports USB, keyboard wedge, and RS232 communications; while the 6320 cordless model uses Bluetooth® communications to connect to an intelligent base station. Both imagers offer a high-resolution image sensor and simple setup interface.

The 6300dpm series imagers are powered by Honeywell's exclusive Adaptus Imaging Technology 5.0 engine platform. A highly innovative, custom DPM lighting system allows the 6300dpm imagers to optimally illuminate marks of any type, on any surface. Low-angle lighting with quadrant control provides the uniform illumination required for dot peen and etch marks. The integrated diffuser provides soft illumination required for highly reflective parts such as electrochemical etched marks on shiny, round surfaces. A custom DPM decode engine ensures high first pass read rates on even the toughest marks.



Features

- Available in standard and long range models
- Powered by Adaptus® Imaging Technology 5.0—a leading technology brand for image-based bar code reading
- Custom DPM illumination system creates readable images from all marks
- Custom DPM decoding engine assures the highest reading yield on DPM codes
- Rugged, ergonomic design ensures best-of-class durability
- Autodiscriminates reading of 1D and 2D codes
- Omnidirectional reading of DPM codes delivers superior performance regardless of mark orientation
- Available in corded and cordless models
- Cordless now comes with Bluetooth® version 1.2
- All models are now RoHS compliant

6300dpm Series Technical Specifications

Wireless

Radio/Range

Data Rate (Transmission Rate)

Battery

Number of Scans

Expected Hours of Operation 8 hours

Expected Charge Time

Mechanical/Electrical

6300

6320

Dimensions (LxWxH)

84 mm x 135 mm x 175 mm (3.3" x 5.3" x 6.9")

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Weight

270 g (9.5 oz)

With Battery: 330 g (11.6 oz)
Base Station: 250 g (8.8 oz)

Operating Power (Charging)

Non-Charging Power

Host System Interfaces

6300: USB and/or RS-232 for data communication, set-up, and image review. PS2 keyboard wedge, PS2 or USB keyboard emulation
6320: Reader to base station: Bluetooth 1.2 (Class 2) 33 ft. (10m) range; Base station to PC: USB/RS-232/PS2

Environmental

Operating Temperature

0°C to 50°C (32°F to 122°F)

0°C to 50°C (32°F to 122°F)

Storage Temperature

-40°C to 70°C (-40°F to 158°F)

-40°C to 60°C (-40°F to 140°F)

Humidity

0 to 95% relative humidity, non-condensing

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Drop

Designed to withstand 2 m (6.5') drops

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Environmental Sealing

Reader: IP54; Base Station: IP41

Light Levels

Scan Performance

Scan Pattern

Omnidirectional

Motion Tolerance

Scan Angle

Print Contrast

Pitch, Skew

34°, 34°

Decode Capabilities

Reads standard 1D, stacked, 2D and postal symbologies; limited OCR font reading

Warranty

18 months factory warranty

For a complete listing of all compliance approvals and certifications please visit www.honeywellaidc.com/compliance
For more information on the 63X0DPM and accessories, please visit www.honeywellaidc.com/63X0DPM



For more information:
www.honeywellaidc.com

Typical Performance* (Long)		Typical Performance* (Standard)	
Narrow Width	Depth of Field	Narrow Width	Depth of Field
7.5 mil (1D)	10 mm - 104 mm (0.4" - 4.1")	13 mil (1D)	0 mm - 61 mm (0" - 2.4")
10 mil (1D)	0 mm - 124 mm (0" - 4.9")	5 mil (2D)	0 mm - 36 mm (0" - 1.4")
15 mil (1D)	0 mm - 160 mm (0" - 6.3")	10 mil (2D)	0 mm - 53 mm (0" - 2.1")
10 mil (2D)	10 mm - 114 mm (0.4" - 4.5")	20 mil (2D)	0 mm - 97 mm (0" - 3.8")
20 mil (2D)	0 mm - 150 mm (0" - 5.9")		
*Resolution: 5 mil (0.127 mm) *Performance may be impacted by bar code quality and environmental conditions		*Resolution: 5 mil (0.127 mm) *Performance may be impacted by bar code quality and environmental conditions	

Honeywell Scanning & Mobility

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