

## 6300dpm / 6320dpm

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### Direct Part Mark Imagers

The 6300 dpm Series of handheld 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 6300 dpm 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 6300 dpm 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 6300 dpm Series supports USB, keyboard wedge, and RS-232 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 6300 dpm Series imagers are powered by Honeywell's exclusive Adaptus Imaging Technology 5.0 engine platform. A highly innovative, custom DPM lighting system allows the 6300 dpm 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

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- 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
- Omni-directional 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 Specifications

## Lighting/Optics Performance

<b>Illumination:</b>	Integrated diffuser; bright- and dark-field LEDs
<b>Aiming:</b>	Horizontal green light bar aimed at the center field of view
<b>Reading Direction:</b>	Omni-directional, pitch and skew (off-axis) angles up to 34 degrees
<b>Working Range:</b>	

Standard	13 mil Linear (.033cm)	5 mil 2D (.013cm)	10 mil 2D (.025cm)	20 mil 2D (.050cm)
<b>Near</b>	0 in. (0cm)	0 in. (0cm)	0 in. (0cm)	0 in. (0cm)
<b>Far</b>	2.4 in. (6.2cm)	1.4 in. (3.6cm)	2.1 in. (5.5cm)	3.8 in. (9.5cm)

  

Long	7.5 mil Linear (.019cm)	10 mil Linear (.025cm)	15 mil Linear (.038cm)	7.5 mil 2D (.019cm)	10 mil 2D (.025cm)	20 mil 2D (.050cm)
<b>Near</b>	0.4 in. (1.0cm)	0 in. (0cm)	0 in. (0cm)	0.8 in. (2.0cm)	0.4 in. (1.0cm)	0 in. (0cm)
<b>Far</b>	4.1 in. (10.4cm)	4.9 in. (12.4cm)	6.3 in. (16.0cm)	3.9 in. (9.9cm)	4.5 in. (11.4cm)	5.9 in. (15.0cm)

<b>Minimum Resolution:</b>	Standard: 5 mil Long: 7.5 mil
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## Mechanical/Electrical

<b>Length:</b>	3.3 in. (8.4cm)
<b>Height:</b>	6.9 in. (17.5cm)
<b>Width:</b>	5.3 in. (13.4cm)
<b>Weight:</b>	Model 6300: 9.5 oz. (270 g) Model 6320 with Battery: 11.6 oz. (330 g)      Base Station: 8.8 oz. (250 g)

## Power

<b>Electrical Requirements:</b>	Model 6300: 5 VDC Model 6320: 9 VDC
<b>Battery (6320):</b>	Eight hours normal use fully charged at 77°F (25°C)

## Image

<b>Sensor:</b>	1280 x 960 high-resolution pixel array
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## Data Input/Output

<b>Trigger:</b>	Via trigger switch in the handle or via PC Software (presentation mode)
<b>Additional Outputs:</b>	Multifunctional LED and beeper to indicate good read, device status, or errors

## Interfaces

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

## Environmental

<b>Operating Temperature:</b>	Model 6300: 32°F to +122°F (0°C to +50°C)    Model 6320: 32°F to +122°F (0°C to +50°C)
<b>Storage Temperature:</b>	Model 6300: -40°F to +158°F (-40°C to +70°C)    Model 6320: -40°F to +140°F (-40°C to +60°C)
<b>Humidity:</b>	0 to 95%, non-condensing
<b>Sealing:</b>	Reader IP54    Base Station IP41
<b>Mechanical Shock:</b>	Model 6300: Operational after 50 drops from 6.5 ft. (2m) to concrete Model 6320: Operational after 25 drops from 6.5 ft. (2m) to concrete
<b>Agency:</b>	CE, FCC, UL, and CSA
<b>Warranty:</b>	18 months
<b>Radio Certification:</b>	US, Canada, EU

## Symbologies

<b>2 Dimensional:</b>	Data Matrix, QR Code
<b>Linear:</b>	EAN13, UPC-A, EAN8, UPC-E, Interleaved 2 of 5, Code 39, Code 128, Code 93

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