Honeywell

6300dpm / 6320dpm

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

- 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

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

Standard	**13 mil Linear (.033cm)**	**5 mil 2D (.013cm)**	**10 mil 2D (.025cm)**	**20 mil 2D (.050cm)**
Near	0 in. (0cm)	0 in. (0cm)	0 in. (0cm)	0 in. (0cm)
Far	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)**
Near	0.4 in. (1.0cm)	0 in. (0cm)	0 in. (0cm)	0.8 in. (2.0cm)	0.4 in. (1.0cm)	0 in. (0cm)
Far	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)

Minimum Resolution:	Standard: 5 mil Long: 7.5 mil

Mechanical/Electrical

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

Power

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

Image

Sensor:	1280 x 960 high-resolution pixel array

Data Input/Output

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

Interfaces

Model 6300:	USB and/or RS-232 for data communication, set-up, and image review. PS2 keyboard wedge, PS2 or USB keyboard emulation
Model 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:	Model 6300: 32°F to +122°F (0°C to +50°C) Model 6320: 32°F to +122°F (0°C to +50°C)
Storage Temperature:	Model 6300: -40°F to +158°F (-40°C to +70°C) Model 6320: -40°F to +140°F (-40°C to +60°C)
Humidity:	0 to 95%, non-condensing
Sealing:	Reader IP54 Base Station IP41
Mechanical Shock:	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
Agency:	CE, FCC, UL, and CSA
Warranty:	18 months
Radio Certification:	US, Canada, EU

Symbologies

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

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