

TRANSFORMATIVE MOBILITY



Automate sensing and inspection, capture limitless data, and explore without boundaries.

OPERATE WITH EASE

Spot's vision system makes it easy to navigate around objects and over rough terrain. Control the robot from afar using an intuitive tablet application and built-in stereo cameras. Spot can also be teleoperated via Scout desktop software.

AUTOMATE DATA COLLECTION

Program repeatable autonomous missions to gather consistent data. Flexible autonomy allows Spot to adjust to changes on its programmed path as desired. Missions can be launched from the Spot Dock for remote operations.









CUSTOMIZE FOR YOUR NEEDS

Spot can carry up to 14 kg (30 lbs) of sensing equipment. Our diverse payload ecosystem is ready for a variety of applications, from thermal and acoustic inspections to laser scanning and site progress monitoring.

LEARN WITH TRAINING AND SUPPORT

We make it easy to get started with Spot. Our Support Center features a comprehensive collection of knowledge articles and discussion groups, product training options are available, and in addition to our one-year limited warranty, we offer premium service and support through a Spot CARE subscription.

FEATURES

-  14 kg (30 lbs)
Payload Limit
-  90-Minute
Run time
-  Object
Avoidance
-  Stair & Complex
Terrain Navigation
-  Manual & Autonomous
Operation
-  IP54
Rated
-  Flexible API and
Python SDK
-  Premium Service
and Support

INDUSTRIES



MANUFACTURING

Set Spot up to do autonomous inspection rounds or use the robot to create digital twins of a plant in advance of rework.



CONSTRUCTION

Inspect progress on construction sites, create digital twins, and compare as-built conditions to Building Information Modeling (BIM) autonomously with Spot.



POWER & UTILITIES

Create autonomous routes or drive the robot to remotely perform inspections in electrified or radiation dense areas.



MINING

Create routine tunnel inspection routes and attach additional payloads to take measurements and ensure safe working conditions.



OIL AND GAS

Create autonomous routes or drive the robot to remotely inspect facilities and improve site awareness of plant operations.



PUBLIC SAFETY

Drive Spot remotely to get eyes on dangerous situations and inspect hazardous packages from afar.

SPECIFICATIONS

BASE ROBOT

DIMENSIONS

Length	1100 mm (43.3 in)
Width	500 mm (19.7 in)
Height (Sitting)	191 mm (7.5 in)
Default Height (Walking)	610 mm (24.0 in)
Max Height (Walking)	700 mm (27.6 in)
Min Height (Walking)	520 mm (20.5 in)
Net Mass/Weight (Spot with battery)	31.7 kg (69.9 lbs)

LOCOMOTION

Max Speed	1.6 m/s
Max Slope	±30°
Max Step Height	300 mm (11.8 in)

BATTERY

Battery Capacity	564 Wh
Average Runtime	90 mins
Standby Time	180 mins
Recharge Time	60 mins
Length	324 mm (12.8 in)
Width	168 mm (6.6 in)
Height	93 mm (3.7 in)
Mass/Weight	5.2 kg (11.5 lbs)

TERRAIN SENSING + CONNECTIVITY

Horizontal Field of View	360°
Range	4 m (13 ft)
Lighting	> 2 Lux
Collision avoidance	maintains set distance from stationary obstacles
WiFi	2.4GHz / 5GHz b/g/n Ethernet

ENVIRONMENT

Ingress Protection	IP54
Operating Temp.	-20°C to 45°C

CHARGER

Input Voltage	100-240VAC 50/60Hz 8A Max
Output	35-58.2 VDC, 12A Max
Length	380 mm (15.0 in)
Width	315 mm (12.4 in)
Height	178 mm (7.0 in)
Mass/Weight	7.5 kg (16.5 lbs)
Operating Temp.	0°C to 45°C

SPECIFICATIONS CONT.

PAYLOAD MOUNTING

Max Weight	14 kg (30.9 lbs)
Mounting Area	850 mm (L) x 240 mm (W) x 270 mm (H)
Mounting Interface	M5 T-slot rails
Connector	DB25 (2 ports)
Power Supply	Unregulated DC 35-58.8V, 150W per port
Integration	Available software API and hardware interface control document

TABLET

Height	127 mm (5.0 in)
Width	214 mm (8.4 in)
Depth	10 mm (0.4 in)
Weight	426 g (0.9 lbs)
Touch Screen Size	8" diagonal
Resolution	1920x1200
Ingress Protection	IP65

Joystick Add-on available for Spot Arm

TRAVEL CASES

ROBOT CASE

Includes robot and tablet

Length	927 mm (36.5 in)
Width	546 mm (21.5 in)
Height	464 mm (18.25 in)
Net Mass/Weight	47.6 kg (105 lbs)

POWER CASE

Includes two batteries and charger

Length	810 mm (32 in)
Width	530 mm (21 in)
Height	300 mm (12 in)
Net Mass/Weight	28kg (61 lbs)

SPOT DOCK

DIMENSIONS

Length	1140 mm (44.9 in)
Width	414 mm (16.3 in)
Height	403 mm (15.9 in)
Mass/Weight	22.9 kg (50.5 lbs)

ENVIRONMENT

Operating Temp.	0°C to 35°C
Lighting	Ambient light required
Mounting	Bolt/tie down locations provided

CONNECTIVITY

Gigabit Ethernet passthrough to robot

POWER

Input	100-240 VAC 50/60 Hz 8A
Output	58V at 12A
Charge Time	2-3.5 hours*

*Charge time varies based on table below

Ambient Temp.	80% charge	100% charge
25°C	50 min	2 hrs
35°C	2.5 hrs	3.5 hrs

CERTIFICATIONS

UL1564, NEMA 2
IEC 61558

SAFETY AND COMPLIANCE, UNITED STATES

Designed according to ISO 12100 for risk assessment and reduction methodology and IEC 60204-1 for electrical safety. See Information for Use for further details on intended uses.

EMC: FCC Part 15B

Radio equipment: Incorporates a FCC Part 68 Certified radio system Laser product = Class 1 eye-safe per IEC 60825-1:2007 & 2014