Spot
FOR PUBLIC SAFETY

Keep people out of harm's way and safely assess hazardous situations.

Spot helps reduce risk in potentially dangerous scenarios, enabling first responders to safely assess and de-escalate tense or hazardous situations.

Investigate Suspicious Packages
Investigate suspicious packages and suspected explosives with Spot while maintaining a safe perimeter. Integrate sensors to measure oxygen levels of potentially explosive environments or detect explosive materials. Equipped with cameras, x-ray devices, and the Spot Arm, Spot enables Explosive Ordnance Disposal (EOD) technicians to safely inspect suspicious packages.

De-escalate Hostage Scenarios
Spot can gather valuable information to support response teams and facilitate remote negotiations, reducing risk to first responders and the public. In active shooter or hostage situations, Spot can help first responders establish visual and two-way communications, so they can gather the information needed to de-escalate the situation and keep officers and bystanders out of harm’s way.

Detect Hazardous Materials
Deploy Spot with specialized sensors to detect radiological and nuclear material, toxic gases, and other hazardous materials. Spot helps field operators identify and assess Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) threats from a safe stand-off distance, traversing unpredictable terrain and collecting data about the risk.

Génération ROBOTS

Boston Dynamics
### 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)

**TERRAIN SENSING**
- **Horizontal Field of View** = 360°
- **Range** = 4 m (13 ft)
- **Lighting** = > 2 Lux
- **Collision avoidance** = maintains set distance from stationary obstacles

**CONNECTIVITY**
- **WiFi** = 2.4GHz / 5GHz b/g/n

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

**Specifications**

**Battery**
- **Battery Capacity** = 564 Wh
- **Average Runtime** = 90 mins
- **Standby Time** = 180 mins
- **Recharge Time** = 60 mins

**Charger**
- **Input Voltage** = 100-240VAC 50/60Hz 8A Max
- **Output** = 35-58.2 VDC, 12A Max
- **Length** = 380 mm (15.0 in)

**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

**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 (two batteries)** = 28kg (61 lbs)

### Payload Mounting

**Max Weight** = 14 kg (30.9 lbs)

**Mounting Area** = 850 mm (L) x 240 mm (W) x 270 mm (H)

**Connector** = M5 T-slot rails

### 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)

**POWER**
- **Input** = 100-240 VAC 90/60 Hz 8A
- **Output** = 58V at 12A
- **Charge Time** = 2-3.5 hours*

**ENVIRONMENT**
- **Operating Temp.** = 0°C to 35°C
- **Lighting** = Ambient light required

**CONNECTIVITY**
- **Gigabit Ethernet passthrough to robot**

**CERTIFICATIONS**
- UL1564, NEMA 2
- IEC 61558

### 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)

### 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