Spot® CAM+IR

The Spot CAM+IR payload turns Spot into a powerful inspection tool with purpose-built cameras.

Use Spot CAM+IR to get eyes on remote or hazardous environments while focusing on inspection details that matter.

Features

Integrated radiometric thermal camera

Spherical camera (360 x 170° view)

Pan-tilt-zoom (PTZ) camera with 30x optical zoom

Two speakers and microphones enable two-way audio

High-sensitivity microphone for auditory inspections

Four pairs of LEDs provide illumination in dark environments

Roll cage for crash protection

USB port available for saving image data

Protected cabling and sealed electronics

Configuration options for front or rear mounting

www.bostondynamics.com/products/spot/payloads

Boston Dynamics

Specifications

DIMENSIONS
Length = 334 mm (13.1 in)
Width = 227 mm (8.9 in)
Height
(Front Mount) = 357 mm (14.1 in)
(Rear Mount) = 427 mm (16.8 in)
Weight
(Front Mount) = 7.5 kg (16.4 lbs)
(Rear Mount) = 8.0 kg (19.8 lbs)

360° CAMERA
Field of View (FoV) = 360 x 170°
Video Frame Rate = Variable*
Video Storage = No
Video Streaming = Yes
Resolution = 10 MP
File Size = 31.1 MB
Still Image Format = PPM
(Portable Pixel Map)

PTZ CAMERA
Resolution = 2MP, 1080p video
Optical Zoom = 30x
Pointing Accuracy = 2 degrees
Range of Motion = 170°/sec
Tilt Range = -30 to 270°

IR CAMERA
Scene Temp. Range
(High Gain) = -40°C to +160°C
(Low Gain) = -40°C to +550°C
Video Speed = 7.5 Hz
FoV = 69 x 56°
Image Resolution = 640 x 512
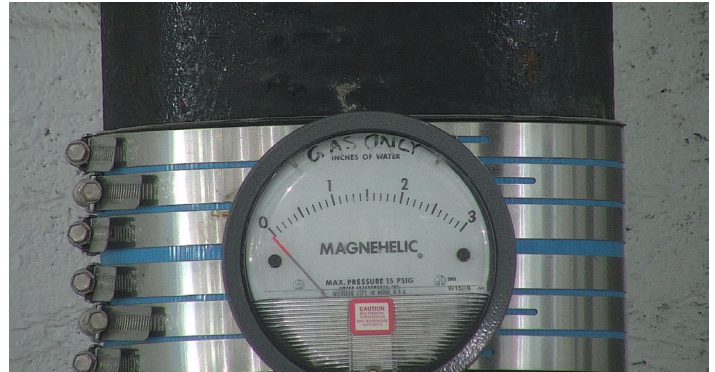**Accuracy** = Radiometric ±5°C

AUDIO
Input = Sennheiser MKE-600 shotgun microphone
Storage = Removable 256 GB USB 3.1

ENVIRONMENT
Ingress Protection = IP65
Operating Temperature = -20°C to 45°C

*Dependent on WiFi network signal strength

Image Samples (IR, 30x Optical Zoom, 360° Color Panorama)