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
### Specifications

#### DIMENSIONS
- **Length**: 334 mm (13.1 in)  
- **Width**: 227 mm (8.9 in)  
- **Height**: 7.5 kg (16.4 lbs)  
  (Front Mount)  
  (Rear Mount): 427 mm (16.8 in)  
- **Weight**: 8.0 kg (19.8 lbs)  
  (Front Mount)

#### 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

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

![Image Samples](image-url)