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
### Specifications

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>360° CAMERA</th>
<th>IR CAMERA</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length = 334 mm (13.1 in)</td>
<td>Field of View (FoV) = 360 x 170°</td>
<td>Scene Temp. Range (High Gain) = -40°C to +160°C</td>
<td></td>
</tr>
<tr>
<td>Width = 227 mm (8.9 in)</td>
<td>Video Frame Rate = Variable*</td>
<td>(Low Gain) = -40°C to +550°C</td>
<td></td>
</tr>
<tr>
<td>Height (Front Mount) = 357 mm (14.1 in)</td>
<td>Video Storage = No</td>
<td>Video Speed = 7.5 Hz</td>
<td></td>
</tr>
<tr>
<td>(Rear Mount) = 427 mm (16.8 in)</td>
<td>Video Streaming = Yes</td>
<td>FoV = 69 x 56°</td>
<td></td>
</tr>
<tr>
<td>Weight (Front Mount) = 7.5 kg (16.4 lbs)</td>
<td>Resolution = 10 MP</td>
<td>Image Resolution = 640 x 512</td>
<td></td>
</tr>
<tr>
<td>(Rear Mount) = 8.0 kg (19.8 lbs)</td>
<td>Still Image Format = PPM (Portable Pixel Map)</td>
<td>Accuracy = Radiometric ±5°C</td>
<td></td>
</tr>
</tbody>
</table>

**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

*Dependent on WiFi network signal strength

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

[Image samples showing IR camera with 30x optical zoom and 360° color panorama.]