

Spot® Cam 2

The Spot Cam 2 payload turns Spot into a powerful inspection tool with compact purpose-built cameras.

Use Spot Cam 2 to get eyes on remote or hazardous environments. Packed with optical and thermal cameras and an accessory bay for additional sensors, Spot Cam 2 enables you to aim sensors at Spot's surroundings for accurate inspections.



Features

-  Integrated radiometric thermal camera
-  Spherical camera (360 x 135° view)
-  Pan-tilt-zoom (PTZ) camera with 25x optical zoom
-  Eight LED lights provide illumination in dark environments
-  Accessory bay for attaching additional sensors
-  Durable casing for crash protection
-  Protected cabling and sealed electronics
-  Option for front or rear mounting
-  Compatible with Spot Arm (requires riser attachment)

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Specifications

DIMENSIONS

Length = 22 cm (8.7 in)
Width = 25 cm (9.8 in)
Height
(Stowed) = 27 cm (10.6 in)
(33 cm with riser) (13 in)
(Maximum) = 41 cm (16.1 in)
(47 cm with riser) (18.5 in)
Weight = 9.5 kg (20.9 lbs)

360° CAMERA

Field of View (FoV) = 360° x 135°
Resolution = 3000 x 1500 px
Video Frame Rate = 30fps
Storage = NVME SSD 480GB
Video Streaming = 1080p over
WebRTC (RTSP coming)
File Size = 2-8MB or higher
Still Image Format = JPEG or Raw

PTZ CAMERA

Horizontal FoV =
58.1° (wide) to 2.3° (tele)
Camera Sensor Size = $f = 6.5$ mm
(wide) to 162.5 mm (tele),
F1.6 to F4.8
Pan Speed = 360°/s
Pan Range = 360°
continuous rotation
Tilt Range = -30° to 90°
Video Frame Rate = 30fps
Resolution = 4k
Optical Zoom = 25x
Pointing Accuracy = 0.1°

IR CAMERA

Scene Dynamic Range = Up to
500°C (low gain)
Video Frame Rate = 9fps
FoV = 50°
Image Resolution = 640 x 480 px
Accuracy = Radiometric $\pm 5^\circ\text{C}$
or less, depending on operating
conditions
NETD = 60 mK

AUDIO

Input = 2 microphones mixed
to single channel

ENVIRONMENT

Ingress Protection = IP67
Operating Temperature =
-20°C to 55°C

ACCESSORY BAY

Tilt Range = -30° to 180° (210° full
range of motion)
Port Data & Power =
Ethernet + 48V bus

Image Samples (IR, 25x Optical Zoom, 360° Color Panorama)



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Contact

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