·i|i·i|i· CISCO Meraki

MV33 Datasheet

Overview

The Meraki MV33 offers 12.4 MP image quality and combines physical security and advanced analytics in a powerful yet compact fixed-lens mini fisheye form factor. Easy to install, with a 360° field of view (FoV), MV33 provides complete visibility and intelligent security for various indoor applications.

Security that tells a complete story

With up to 2880x2880 video resolution and 360-degree views, the ultra-high-performance MV33 camera captures the full picture, providing broad context and clear detail when needed. This panoramic overview increases situation awareness, making surveillance more efficient.
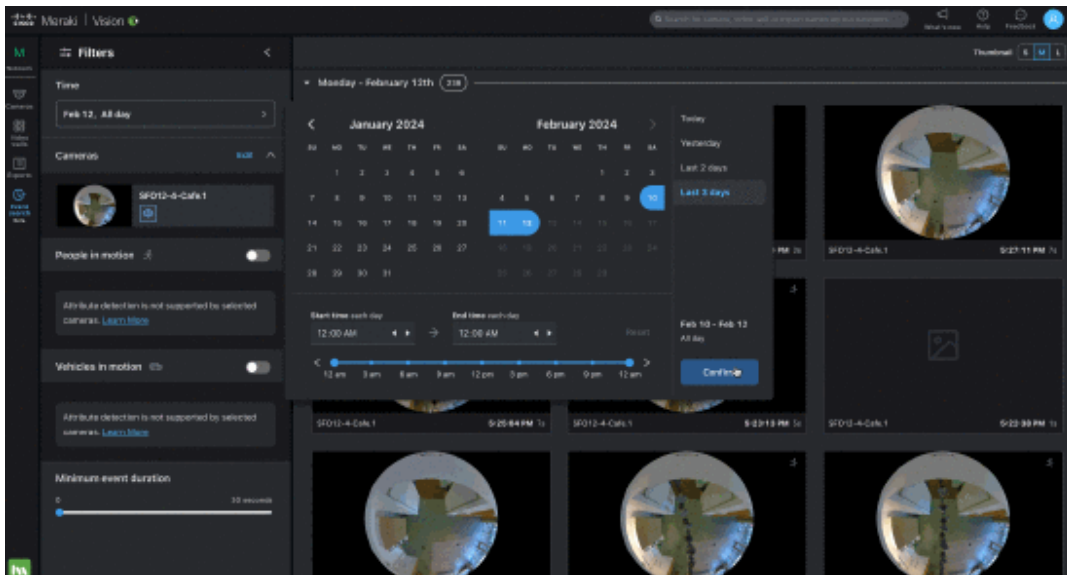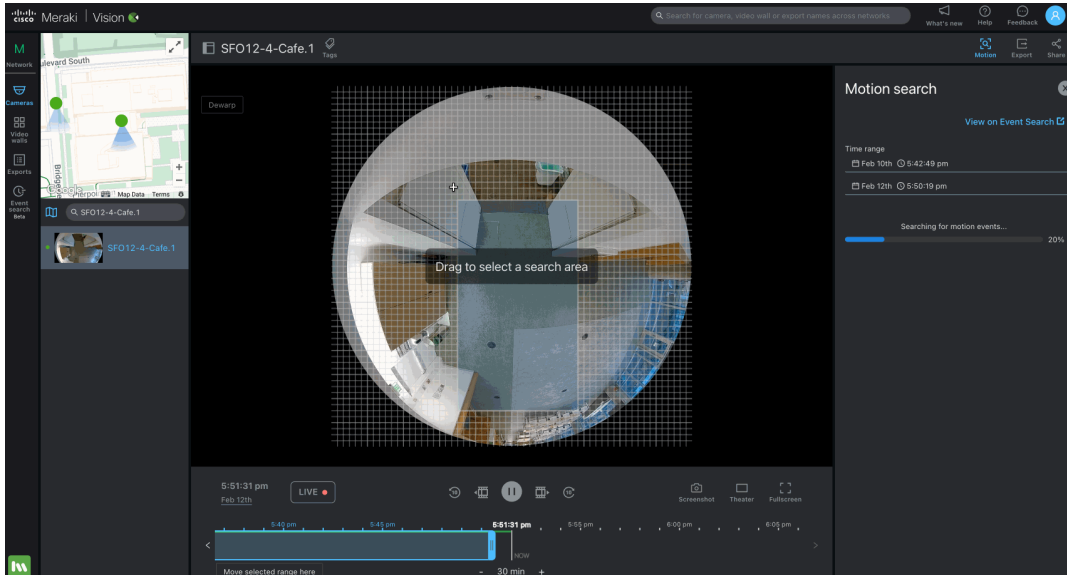
Compact and easy to install, MV33 camera boasts a new universal mounting place compatible with various mounting accessories; the MV33 camera can be installed in various deployment scenarios so that you can see around every corner. The 360° field of view makes it ideal for improving safety and security for a wide range of use cases.

Product Highlights

- 360° fisheye lens camera with 12.4MP Image Sensor

- Compact form factor with 180° horizontal and vertical FoV

- A large level of detail with up to 2880x2880 video resolution

- Low bandwidth Consumption for recording and streaming using Smartcodec encoding

- Machine learning capability for intelligent obj

- Role-based user accounts provide secure vid

- Cloud-augmented edge storage for minimal p

- Built-in automatic security with secure boot a

- Intelligent motion indexing with search engine

- Built-in search tools like motion search, motion recap, motion heatmaps and Event Search.

- Built-in analytics like Line Crossing, Area Occupancy, MV sense and Custom Computer-Vision capabilities

- Suitable for deployments of all sizes, 1-10,00

- NDAA Compliant

Motion Search and Event Search are available on the Meraki Vision Portal.

MV33 camera specifications

Category	Specifications

Camera	• 1/2.3" 12.4MP (4072x3046) progressive CMOS Backlit image sensor
	• High-performance fisheye lens
	• 256GB high-endurance solid-state storage
	• 1.6 mm focal length
	• f/2.0 aperture
	• Field of view: horizontal 180°, vertical 180°
	• 1/30 second to 1/32,000 second shutter speed
Video	• 8MP video recording (2880x2880) with H.264 encoding, up to 8 fps
	• 4.2MP (2112x2112) 360° overview with H.264 encoding, up to 15 fps
	• 1MP (1080x1080) 360° overview with H.264 encoding, up to 24fps
	• Cloud-augmented edge storage (locally stored video; metadata in the cloud)
	• Optimized retention settings (scheduling, motion-based) for variable retention
	• Direct live streaming with no client software (native browser playback)*
	• Stream video anywhere with automatic cloud proxy
	• Audio recording supported with three (3) built-in microphones
Networking and wireless	• 1x 10/100/1000BASE-T Ethernet (RJ45)
	• DSCP traffic marking
	• Supported frequency bands (country-specific restrictions apply):
	• 2.4 GHz 802.11b/g/n radio
	◦ 2.412 - 2.484 GHz
	• 5 GHz 802.11a/n/ac radio
	◦ 5.150 - 5.250 GHz (UNII-1)
	◦ 5.250 - 5.350 GHz (UNII-2)
	◦ 5.470 - 5.600, 5.660 - 5.725 GHz (UNII-2e)
	◦ 5.725 - 5.825 GHz (UNII-3)
	• 1x1 with one spatial stream
	• 20, 40, and 80 MHz channels (802.11ac)
	• Up to 256 QAM on 5 GHz band
	• Integrated omnidirectional antennas (6.3 dBi gain at 5 GHz)

- MT Gateway Support for all MT sensor

Power	Power consumption 12.95W maximum via 802.3af PoE

Environment	Temperature: 0°C to 40°C (32°F - 104°F)

Data and network security

- Full disk encryption (AES 256-bit)
- Automatically purchased and provisioned TLS certificates (publicly signed)
- Management encryption and two-factor authentication
- Wireless security:
  - WPA, WPA2-PSK, WPA2-Enterprise with 802.1X EAP-TTLS TKIP and AES encryption

Physical characteristics

- Dimension: 120.66mm x 49.8mm (diameter x height)
- Weight: 330 grams
- Fisheye lens
- Ethernet Connector with RJ45 Interface
- Multicolor, multifunction status LED
- External microphone switch
- Reset button

Warranty	Five-year hardware warranty with advanced replacement

Hardware

- MV33-HW: 360° fisheye lens outdoor camera with 256GB storage

Licensing

LIC-MV-XYR: Meraki MV Enterprise license (X = 1, 3, 5, 7, 10 years)

[Optional] LIC-MV-SEN-XYR: Meraki MV Sense license (X = 1, 3, 5, 7, 10 years)

[Optional] LIC-MV-CA30-XY: MV Cloud Archive license (X = 1, 3, 5 years)

[Optional] LIC-MV-CA90-XY: MV Cloud Archive license (X = 1, 3, 5 years)

[Optional] LIC-MV-CA180-XY: MV Cloud Archive license (X = 1, 3, 5 years)

[Optional] LIC-MV-CA365-XY: MV Cloud Archive license (X = 1, 3, 5 years)

Accessories

- MA-MNT-MV-18: Mounting plate replacement kit

- MA-MNT-MV-28: Pole mount

- MA-MNT-MV-38: Wall-mount L-bracket

- MA-MNT-MV-48: Wall-mount arm bracket

- MA-MNT-MV-58: Conduit back box

- MA-MNT-MV-68: T-rail adapter

- MA-MNT-MV-88: Corner mount

- MA-MNT-MV-78: Telescopic mount

- MA-INJ-4: 802.3at power over Ethernet injector

- MA-PWR-MV-LV: Low voltage 12V DC/24V AC input

In the box

- MV camera hardware

- Quick Install Guide

- Small mounting plate

- Allen Wrench

Each Meraki camera requires a license to operate.