
MV93 Series Datasheet

Overview

The Meraki MV93, part of the third-generation MV smart camera family, combines physical security and advanced analytics in a fisheye form factor. Easy to install and with a 360° field of view (FoV), MV93 provides complete visibility and intelligent security for a variety of outdoor applications.



Security that tells a complete story

With up to 2880x2880 video resolution and 360-degree views, MV93 captures the full picture, providing broad context and clear detail when needed. This panoramic overview increases situation awareness, making surveillance more efficient.

Compatible with a variety of mounting accessories, outdoor-rated MV93 series cameras can be installed in a variety of deployment scenarios, so you can see around every corner. The 360° field of view and IR illumination make it ideal

for improving safety and security for parking lots, warehouses, and other open spaces, even in low light.

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Product Highlights

- 360° fisheye lens camera
 - Machine learning capability for intelligent object detection
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- Compact form factor with 180° horizontal and vertical FoV
- Large level of detail with up to 2880x2880 video resolution
- Night vision with IR illumination up to 20 m / 66 ft
- IK10+ and IP67 rated for deployment in more demanding environments
- Intelligent motion indexing with search engine
- Built-in analytics like Motion Search, Motion Recap, and Motion Heatmaps
- Role-based user accounts provide secure video access and ensure privacy
- Cloud-augmented edge storage for minimal physical infrastructure
- Built-in automatic security with secure boot and signed firmware, backed by a hardware security chip
- Suitable for deployments of all sizes, 1-10,000+ cameras

MV93 camera specifications

Category	Specifications
Camera	<ul style="list-style-type: none"> • 1/2.3" 12.4MP (4072x3046) progressive CMOS image sensor • High-performance fisheye lens • 256GB high-endurance solid-state storage (MV93) • 1TB high-endurance solid-state storage (MV93X) • 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 • Auto day/night mode switching capable • Built-in IR illuminators, effective up to 20 m (66 ft) • Heating elements
Video	<ul style="list-style-type: none"> • 8MP video recording (2880x2880) with H.264 encoding, up to 15fps (MV93X) • 4.2MP (2112x2112) 360° overview with H.264 encoding, up to 24fps • 1MP (1080x1080) 360° overview with H.264 encoding, up to 24fps • High dynamic range (HDR) • 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	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> ◦ 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)

Power Power consumption 25.5W maximum via 802.3at PoE

Environment Temperature: -40°C to 50°C (-40°F to 122°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: 137.68mm x 67.9mm (diameter x height)
 - Weight: 1050 grams
 - Fisheye lens
 - Female RJ45 Ethernet connector
 - Multicolor, multifunction status LED
 - External microphone switch
 - Reset button

Warranty Five-year hardware warranty with advanced replacement

- Hardware**
- MV93-HW: 360° fisheye lens outdoor camera with 256GB storage
 - MV93X-HW: 360° fisheye lens outdoor camera with 1TB storage

Licensing LIC-MV-XYR: Meraki MV Enterprise license (X = 1, 3, 5, 7, 10 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-INJ-4-XX: 802.3at power over Ethernet injector (XX = US, EU, UK, or AU)
 - MA-PWR-MV-LV: Low voltage 12V DC/24V AC input PoE injector

In the box

- Quick-start and installation guide
- MV camera hardware
- Wall-mounting kit



Each Meraki camera requires a license to operate.

