CISCO Meraki

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bouchecousue
conseil en informatique

BoucheCousue est une société de conseil en informatique basée à Paris et **revendeur agréé Cisco Meraki** depuis 2011.

Si vous avez des questions, un projet réseau pouvant bénéficier de la solution & des produits Cisco Meraki, **n'hésitez pas à nous contacter :**

hello@bouchecousue.com mais également par téléphone : +33 1 83 62 52 34

Retrouvez aussi sur notre blog les dernières actualités Cisco Meraki ainsi que des astuces & informations utiles.

Notre site: https://bouchecousue.com

MV21 & MV71

Cloud Managed Security Cameras

OVERVIEW

Cisco Meraki's MV family of security cameras are exceptionally simple to deploy and configure. Their integration into the Meraki dashboard, ease of deployment, and use of cloud-augmented edge storage, eliminate the cost and complexity required by traditional security camera solutions.

Like all Meraki products, MV cameras provide zero-touch deployment. Using just serial numbers, an administrator can add devices to the Meraki dashboard and begin configuration before the hardware even arrives on site. In the Meraki dashboard, users can easily stream video and create video walls for monitoring key areas across multiple locations without ever configuring an IP or installing a plugin.

INTRODUCING MV

With an unobtrusive industrial design suitable for any setting—and available in indoor (MV21) and outdoor (MV71) models—the MV family simplifies and streamlines the unnecessarily complex world of security cameras. By eliminating servers and video recorders, MV frees administrators to spend less time on deployment and maintenance, and more time on meeting business needs.

High-endurance solid state on-camera storage eliminates the concern of excessive upload bandwidth use and provides robust failover protection. As long as the camera has power it will continue to record, even without network connectivity. Historical video can be quickly
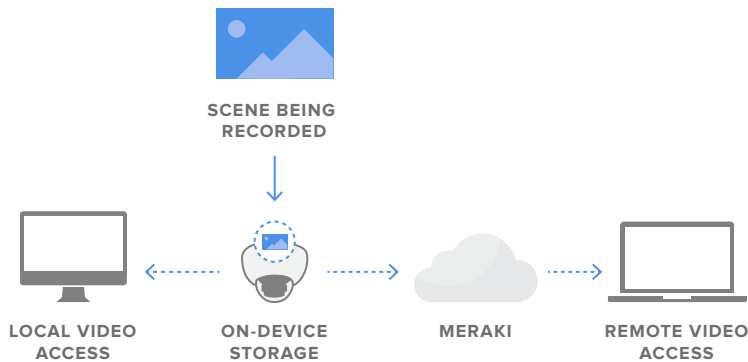
searched and viewed using motion-based indexing, and advanced export tools allow evidence to be shared with security staff or law enforcement easily.

Because the cameras are connected to Meraki's cloud infrastructure, security updates and new software are pushed to customers automatically. This system provides administrators with the peace of mind that the infrastructure is not only secure, but that it will continue to meet future needs.

Simply put, the MV brings Meraki magic to the security camera world.

Product Highlights

- Meraki dashboard simplifies operation

- Cloud-augmented edge storage eliminates infrastructure

- Suitable for deployments of all sizes: 1 camera or 1000+

- Intelligent motion indexing with search engine

- Built-in video analytics tools

- Secure encrypted control architecture

- No special software or browser plugins required

- Granular user access controls

SCENE BEING
RECORDED

LOCAL VIDEO
ACCESS

ON-DEVICE
STORAGE

MERAKI

REMOTE VIDEO
ACCESS

CUTTING EDGE ARCHITECTURE

Meraki's expertise in distributed computing has come to the security camera world. With cloud-augmented edge storage, MV cameras provide ground breaking ease of deployment, configuration, and operation. Completely eliminating the Network Video Recorder (NVR) not only reduces equipment CAPEX, but the simplified architecture also decreases OPEX costs.

Each MV camera comes with integrated, ultra reliable, industrial-grade storage. This cutting edge technology allows the system to efficiently scale to any size because the storage expands with the addition of each camera. Plus, administrators can rest easy knowing that even if the network connection cuts out, the cameras will continue to record footage.
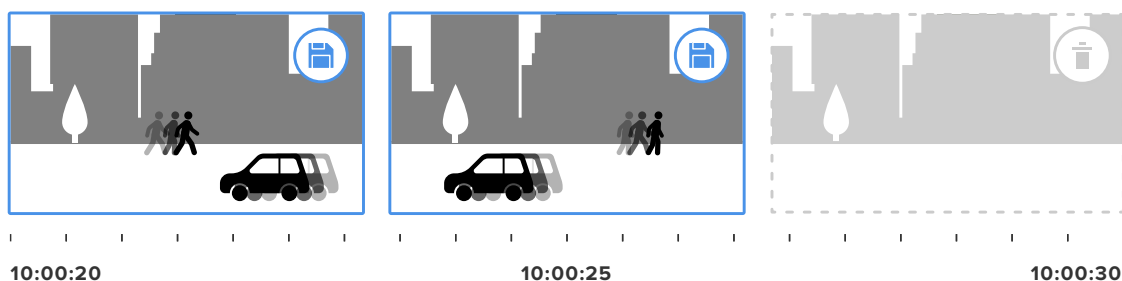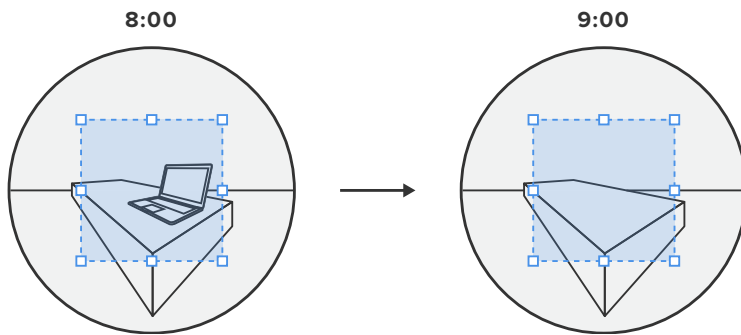
OPTIMIZED RETENTION

MV takes a unique approach to handling motion data by analyzing video on the camera itself, but indexing motion in the cloud. This hybrid motion-based retention strategy plus scheduled recording give users the ability to define the video retention method that works best for every deployment.

The motion-based retention tool allows users to pick the video bit rate and frame rate to find the perfect balance between storage length and image quality. All cameras retain continuous footage as a safety net for the last 72 hours before intelligently trimming stored video that contains no motion, adding one more layer of security.

Determine when cameras are recording, and when they're not, with scheduled recording. Create schedule templates for groups of cameras and store only what's needed, nothing more. Turn off recording altogether and only view live footage for selective privacy.

Best of all, the dashboard provides a real-time retention estimate for each camera, removing the guesswork.

10:00:20   10:00:25   10:00:30

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8:00　　　　　　　　**9:00**

ISOLATE EVENTS, INTELLIGENTLY

Meraki MV cameras use intelligent motion search to quickly find important segments of video amongst hours of recordings. Optimized to eliminate noise and false positives, this allows users to retrospectively zero-in on relevant events with minimal effort.
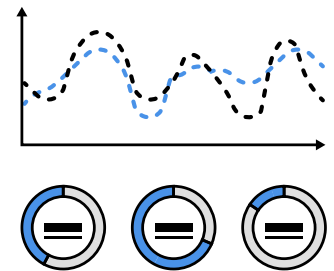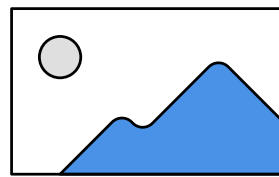
MV's motion indexing offers an intuitive search interface. Select the elements of the scene that are of interest and dashboard will retrieve all of the activity that occurred in that area. Laptop go missing? Drag the mouse over where it was last seen and quickly find out when it happened and who was responsible.

ANALYTICS, BUILT RIGHT IN

MV's built-in analytics take the average deployment far beyond just security. Make the most of an MV camera by utilizing it as a sensor to optimize business performance, enhance public safety, or streamline operational objectives.

Use motion heat maps to analyze customer behavior patterns or identify where students are congregating during class breaks. Hourly or daily levels of granularity allow users to quickly tailor the tool to specific use cases.

All of MV's video analytics tools are built right into the dashboard for quick access. Plus, the standard MV license covers all of these tools, with no additional licensing or costs required.

ADMIN

CONFIGURE　　　　　　**VIEW-ONLY**

EASY TO ACCESS, EASY TO CONTROL

There is often a need to allow different users access but with tailored controls appropriate for their particular roles. For example, a receptionist needing to see who is at the front door probably does not need full camera configuration privileges.
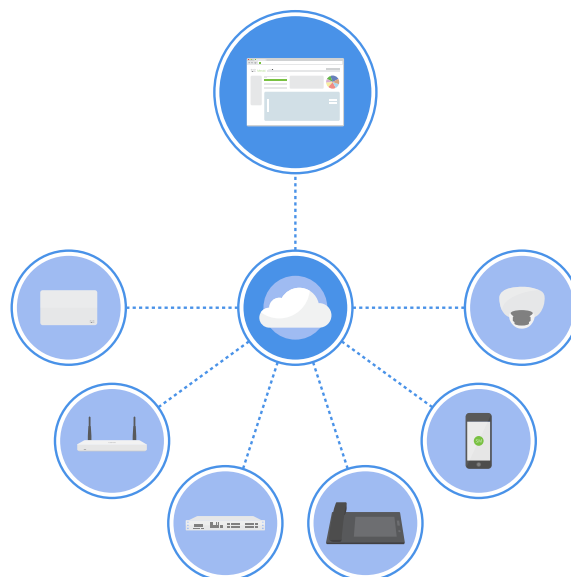
The Meraki dashboard has a set of granular controls for defining what a user can or cannot do. Prevent security staff from changing network settings, limit views to only selected cameras, or restrict the export of video: you decide what is possible.

With the Meraki cloud authentication architecture, these controls scale for any organization and support Security Assertion Markup Language (SAML) integration.

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SIMPLY CLOUD-MANAGED

Meraki's innovative GUI-based dashboard management tool has revolutionized networks around the world, and brings the same benefits to networked video surveillance. Zero-touch configuration, remote troubleshooting, and the ability to manage distributed sites through a single pane of glass eliminate many of the headaches security administrators have dealt with for decades. Best of all, dashboard functionality is built into every Meraki product, meaning additional video management software (VMS) is now a thing of the past.
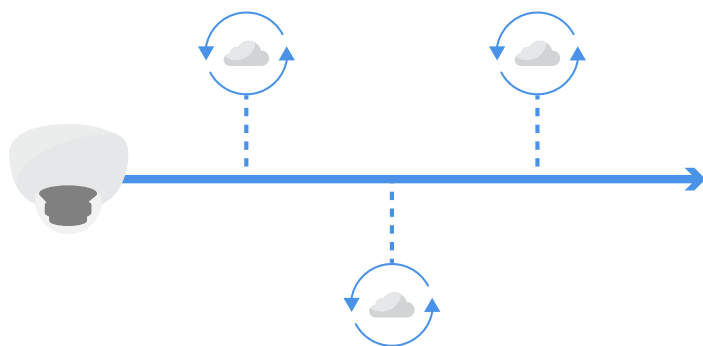
Additionally, features like the powerful drag-and-drop video wall help to streamline remote device management and monitoring — whether cameras are deployed at one site, or across the globe.

SECURE AND ALWAYS UP-TO-DATE

Centralized cloud management offers one of the most secure platforms available for camera operation. All access to the camera is encrypted with a public key infrastructure (PKI) that includes individual camera certificates. Integrated two-factor authentication provides strong access controls. Local video is also encrypted by default and adds a final layer of security that can't be turned off.

All software updates are managed automatically for the delivery of new features and to enable rapid security updates. Scheduled maintenance windows ensure the MV family continues to address users' needs with the delivery of new features as part of the all-inclusive licensed service.

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Camera Specifications

Camera

1/3.2" 5MP (2560x1920) progressive CMOS image sensor

128GB high endurance solid state storage

Full disk encryption

3 - 10mm vari-focal lens with variable aperture f/1.3 - f/2.5

Variable field of view:

28° - 82° (Horizontal)

21° - 61° (Vertical)

37° - 107° (Diagonal)

Automatic iris control with P-iris for optimal image quality

1/5 sec. to 1/32,000 sec. shutter speed

Minimum illumination 0.27 Lux @ F1.3 (color) 0.001 Lux @ F1.3 (B&W)

S/N Ratio exceeding 62dB - Dynamic Range 69dB

Hardware based light meter for smart scene detection

Built-in IR illuminators, effective up to 30 meters (98 feet)

Integrated heating elements for low temperature outdoor operation (MV71 only)

Video

720p HD video recording (1280x720) with H.264 encoding

Cloud augmented edge storage (video at the edge, metadata in the cloud)

Up to 20 days of video storage per camera*

Direct live streaming with no client software (native browser playback)**

Stream video anywhere with autotmatic cloud proxy

Networking

1x 10/100 Base-T Ethernet (RJ45)

Compatible with Meraki wireless mesh backhaul (separate WLAN AP required)

DSCP traffic marking

Features

Cloud managed with complete integration into the Meraki dashboard

Plug and play deployment with self-configuration

Remote adjustment of focus, zoom, and aperture

Dynamic day-to-night transition with IR illumination

Noise optimized motion indexing engine with historical search

Shared video wall with individual layouts supporting multiple cameras

Selective export capability with cloud proxy

Highly granular view, review, and export user permissions with SAML integration

Motion heat maps for relative hourly or day-by-day motion overview

Motion alerts

Power

Power consumption (MV21) 10.94W maximum via 802.3af PoE

Power consumption (MV71) 21.95W maximum via 802.3at PoE+

Environment

Starting temperature (MV21): -10°C - 40°C (14°F - 104°F)

Starting temperature (MV71): -40°C - 40°C (-40°F - 104°F)

Working temperature (MV21): -20°C - 40°C (-4°F - 104°F)

Working temperature (MV71): -50°C - 40°C (-58°F - 104°F)

In the box

Quick start & installation guide

MV camera hardware

Wall mounting kit, drop ceiling T-rail mounting hardware

Physical characterisitcs

Dimensions (MV21) 166mm x 116.5mm (diameter x height)

Dimensions (MV71) 173.3mm x 115mm (diameter x height)

Weather-proof IP66-rated housing (MV71 only)

Vandal-proof IK10-rated housing (MV71 only)

Lens adjustment range:

65° Tilt

350° Rotation

350° Pan

Weight (MV21) 1.028kg (including mounting plate)

Weight (MV71) 1.482kg (including mounting plate)

Female RJ45 Ethernet connector

Supports Ethernet cable diameters between 5-8mm in diameter

Status LED

Reset button

Warranty

Warranty (MV21) 3 year hardware warranty with advanced replacement

Warranty (MV71) 3 year hardware warranty with advanced replacement

Ordering Information

MV21-HW: Meraki MV21 Cloud Managed Indoor Camera

MV71-HW: Meraki MV71 Cloud Managed Outdoor Camera

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

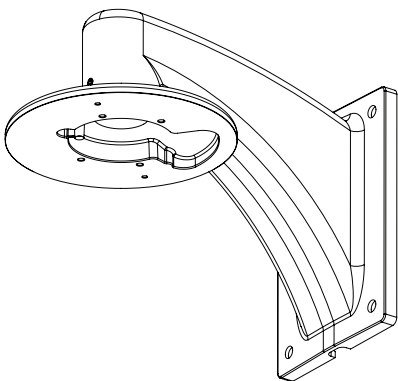MA-INJ-4-XX: Meraki 802.3at Power over Ethernet injector (XX = US, EU, UK, or AU)

Note: Each Meraki camera requires a license to operate

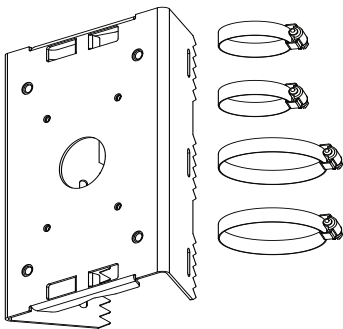* Storage duration dependent on encoding settings.

** Browser support for H.264 decoding required.
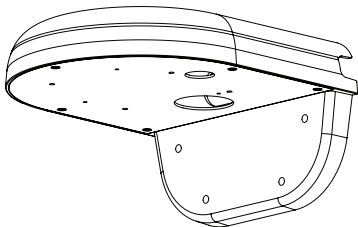
Mounting Accessories Specifications

Meraki Wall Mount Arm

Wall mount for attaching camera perpendicular to mounting surface

Includes pendant cap

Supported Models: MV21, MV71

Dimensions (Wall Arm) 140mm x 244mm x 225.4mm

Dimensions (Pendant Cap) 179.9mm x 49.9mm (Diameter x Height)

Combined Weight 1.64kg

Meraki Pole Mount

Pole mount for poles with diameter between 40mm - 145mm (1.57in - 5.71in)

Can be combined with MA-MNT-MV-1: Meraki Wall Mount Arm

Supported Models: MV71

Dimensions 156.7mm x 240mm x 68.9mm

Weight 1.106kg

Meraki L-Shape Wall Mount Bracket

Compact wall mount for attaching camera perpendicular to mounting surface

Supported Models: MV21, MV71

Dimensions 206mm x 182mm x 110mm

Weight 0.917kg

Ordering Information

MA-MNT-MV-1: Meraki Wall Mount Arm for MV21 and MV71

MA-MNT-MV-2: Meraki Pole Mount for MV71

MA-MNT-MV-3: Meraki L-Shape Wall Mount Bracket for MV21 and MV71

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En autonomie:

- **Webinar :** Participez à un webinar Cisco Meraki en cliquant ici et recevez ultérieurement un équipement gratuit[1] (comme une borne WiFi, un switch)

- **Try & Buy :** Essayez le matériel Cisco Meraki gratuitement en cliquant ici. A la fin de votre essai vous pouvez décider de garder & acheter le matériel ou le renvoyer.

Avec notre accompagnement:

Contactez-nous par téléphone (+33 1 83 62 52 34) ou par email à hello@bouchecousue.com en nous précisant votre projet. Nous pourrons choisir ensemble le matériel adapté à votre besoin et vous le faire essayer.

Retrouvez aussi nos coordonnées postales sur cette page : https://bouchecousue.com/contact/ si vous souhaitez convenir d'un rendez-vous.

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[1] Nécessite l'éligibilité à des critères définis par Cisco Meraki, vérifiez que vous êtes éligible sur le site de Cisco Meraki