

MV12 Mini-Dome Camera Specifications

Camera
1/3" 4MP (2688x1520) progressive CMOS image sensor
128GB high endurance solid state storage (MV12WE)
256GB high endurance solid state storage (MV12N and MV12W)
2.8mm focal length fixed lens (MV12W and MV12WE)
3.8mm focal length fixed lens (MV12N)
f/1.8 aperture
Field of view:
Horizontal 114° (MV12W and MV12WE)
Horizontal 73° (MV12N)
Vertical 61° (MV12W and MV12WE)
Vertical 44° (MV12N)
Diagonal 132° (MV12W and MV12WE)
Diagonal 86° (MV12N)
1/30s to 1/32,000s shutter speed
Minimum illumination 0.18 Lux (standard recording) and 0.01 Lux (night mode)
Built-in IR illuminators, effective up to 15m (49ft)
Video
1080p HD video recording (1920x1080) with H.264 encoding, up to 20fps
Cloud augmented edge storage (locally stored video with metadata in the cloud)
Optimized retention settings (scheduling and motion-based) for variable retention
Up to 40 days of 24/7 continuous video storage per camera*
Direct live streaming with no client software (native browser playback)**
Stream video anywhere with automatic cloud proxy
High dynamic range (HDR)
Data Security
Full disk encryption (AES 256-bit)
Automatically purchased and provisioned TLS certificates (publicly-signed)
Management encryption and two-factor authentication
Networking
1x 10/100/1000 Base-T Ethernet (RJ45)
Dual band WLAN with supporting 2.4GHz and 5GHz
802.11 a/b/g/n/ac
DSCP traffic marking
Power
Power consumption 12.95W maximum via 802.3af PoE

Features
Cloud managed with complete integration into the Meraki dashboard
Plug and play deployment with self-configuration
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 (with watermarked timestamps)
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
Wireless
2.4 GHz 802.11b/g/n radio
5 GHz 802.11a/n/ac radio
Supported frequency bands (country-specific restrictions apply):
2.412 - 2.484 GHz
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)
802.11ac and 802.11n capabilities
1x1 with one spatial stream
MU-MIMO support
20 and 40 MHz channels (802.11n)
20, 40, and 80 MHz channels (802.11ac)
Up to 256 QAM on both 2.4 GHz and 5 GHz bands
Antenna
Integrated omni-directional antennas (4.4 dBi gain at 2.4 GHz, 6.3 dBi gain at 5 GHz)
Security
WPA, WPA2-PSK, WPA2-Enterprise with 802.1X
EAP-TTLS
TKIP and AES encryption
Environment
Temperature: 0°C - 40°C (32°F - 104°F)

MV12 Mini-Dome Camera Specifications

In the Box

Quick start & installation guide

MV camera hardware

Wall mounting kit

Physical Characteristics

Dimensions 106mm x 74mm (diameter x height)

Fixed lens

Weight 286g

Female RJ45 Ethernet connector

Multicolor, multifunction status LED

Reset button

Waranty

Warranty 3 year hardware warranty with advanced replacement

Ordering Information

MV12N-HW: 256GB Narrow Angle Mini Dome Camera

MV12W-HW: 256GB Wide Angle Mini Dome Camera

MV12WE-HW: 128GB Wide Angle Mini Dome 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)

MA-PWR-MV-LV: Low voltage 12VDC/24VAC input PoE injector for MV cameras (coax converter)

Note: Each Meraki camera requires a license to operate

* Storage duration dependent on encoding settings and camera storage model.

** Browser support for H.264 decoding required.

MV22 Indoor Varifocal Camera Specifications

Camera

1/3" 4MP (2688x1520) progressive CMOS image sensor
256GB high endurance solid state storage
3-9mm focal length
f/1.2-2.3 aperture
Field of view:
Horizontal 36° - 112°
Vertical 20° - 57°
Diagonal 42° - 138°
Lens adjustment range:
Tilt: 65°
Rotation: +/- 90°
Pan: 354°
1/30s to 1/32,000s shutter speed
Minimum illumination 0.18 Lux (standard recording) and 0.01 Lux (night mode)
Built-in IR illuminators, effective up to 30m (98ft)

Video

1080p HD video recording (1920x1080) with H.264 encoding, up to 20fps
Cloud augmented edge storage (locally stored video with metadata in the cloud)
Optimized retention settings (scheduling and motion-based) for variable retention
Up to 40 days of 24/7 continuous video storage per camera*
Direct live streaming with no client software (native browser playback)**
Stream video anywhere with automatic cloud proxy
High dynamic range (HDR)

Data Security

Full disk encryption (AES 256-bit)
Automatically purchased and provisioned TLS certificates (publicly-signed)
Management encryption and two-factor authentication

Networking

1x 10/100/1000 Base-T Ethernet (RJ45)
Dual band WLAN with antenna diversity supporting 2.4GHz and 5GHz
802.11 a/b/g/n/ac
DSCP traffic marking

Power

Power consumption 12.95W maximum via 802.3af PoE
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Features

Cloud managed with complete integration into the Meraki dashboard
Plug and play deployment with self-configuration
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 (with watermarked timestamps)
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

Wireless

2.4 GHz 802.11b/g/n radio
5 GHz 802.11a/n/ac radio
Supported frequency bands (country-specific restrictions apply):
2.412 - 2.484 GHz
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)

802.11ac and 802.11n Capabilities

1x1 with one spatial stream
MU-MIMO support
20 and 40 MHz channels (802.11n)
20, 40, and 80 MHz channels (802.11ac)
Up to 256 QAM on both 2.4 GHz and 5 GHz bands

Antenna

Integrated omni-directional antennas (4.4 dBi gain at 2.4 GHz, 6.3 dBi gain at 5 GHz)

Security

WPA, WPA2-PSK, WPA2-Enterprise with 802.1X
EAP-TTLS
TKIP and AES encryption

Environment

Temperature: 0°C - 45°C (32°F - 113°F)
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MV22 Indoor Varifocal Camera Specifications

In the Box

Quick start & installation guide

MV camera hardware

Wall mounting kit

Junction box adapter plate

Physical Characteristics

Dimensions 149mm x 97mm (diameter x height)

Varifocal lens (up to 3x optical zoom)

Weight without mounting plate 706g

Weight with mounting plate 842g

Female RJ45 Ethernet connector

Multicolor, multifunction status LED

Reset button

Ratings

IK08 vandal-resistance

Waranty

3 year hardware warranty with advanced replacement

Ordering Information

MV22-HW: Varifocal MV22 Indoor HD Dome Camera With 256GB Storage

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

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

MA-PWR-MV-LV: Low voltage 12VDC/24VAC input PoE injector for MV cameras (coax converter)

Note: Each Meraki camera requires a license to operate

* Storage duration dependent on encoding settings and camera storage model.

** Browser support for H.264 decoding required.

MV72 Outdoor Varifocal Camera Specifications

Camera

1/3" 4MP (2688x1520) progressive CMOS image sensor

256GB high endurance solid state storage

3-9mm focal length

f/1.2-2.3 aperture

Field of view:

Horizontal 36° - 112°

Vertical 20° - 57°

Diagonal 42° - 138°

Lens adjustment range:

Tilt: 65°

Rotation: +/- 90°

Pan: 354°

1/30s to 1/32,000s shutter speed

Minimum illumination 0.18 Lux (standard recording) and 0.01 Lux (night mode)

Built-in IR illuminators, effective up to 30m (98ft)

Heating elements

Video

1080p HD video recording (1920x1080) with H.264 encoding, up to 20fps

Cloud augmented edge storage (locally stored video with metadata in the cloud)

Optimized retention settings (scheduling and motion-based) for variable retention

Up to 40 days of 24/7 continuous video storage per camera*

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

Stream video anywhere with automatic cloud proxy

High dynamic range (HDR)

Data Security

Full disk encryption (AES 256-bit)

Automatically purchased and provisioned TLS certificates (publicly-signed)

Management encryption and two-factor authentication

Networking

1x 10/100/1000 Base-T Ethernet (RJ45)

Dual band WLAN with antenna diversity supporting 2.4GHz and 5GHz

802.11 a/b/g/n/ac

DSCP traffic marking

Power

Power consumption when not using heater 12.95W maximum via 802.3af PoE

Power consumption when using heater 25.5W maximum via 802.3at PoE

Features

Cloud managed with complete integration into the Meraki dashboard

Plug and play deployment with self-configuration

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 (with watermarked timestamps)

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

Wireless

2.4 GHz 802.11b/g/n radio

5 GHz 802.11a/n/ac radio

Supported frequency bands (country-specific restrictions apply):

2.412 - 2.484 GHz

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)

802.11ac and 802.11n Capabilities

1x1 with one spatial stream

MU-MIMO support

20 and 40 MHz channels (802.11n)

20, 40, and 80 MHz channels (802.11ac)

Up to 256 QAM on both 2.4 GHz and 5 GHz bands

Antenna

Integrated omni-directional antennas (4.4 dBi gain at 2.4 GHz, 6.3 dBi gain at 5 GHz)

Security

WPA, WPA2-PSK, WPA2-Enterprise with 802.1X

EAP-TTLS

TKIP and AES encryption

Environment

Temperature: -40°C - 50°C (-40°F - 122°F)***

MV72 Outdoor Varifocal Camera Specifications

In the Box

Quick start & installation guide

MV camera hardware

Wall mounting kit

Junction box adapter plate

Physical Characteristics

Dimensions 165mm x 103mm (diameter x height)

Varifocal lens (up to 3x optical zoom)

Weight without mounting plate 1247g

Weight with mounting plate 1353g

Female RJ45 Ethernet connector

Multicolor, multifunction status LED

Reset button

Ratings

IK10 vandal-resistance

IP67 weather-proofing

Waranty

Warranty 3 year hardware warranty with advanced replacement

Ordering Information

MV72-HW: Varifocal MV72 Indoor HD Dome Camera With 256GB Storage

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

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

MA-PWR-MV-LV: Low voltage 12VDC/24VAC input PoE injector for MV cameras (coax converter)

Note: Each Meraki camera requires a license to operate

* Storage duration dependent on encoding settings and camera storage model.

** Browser support for H.264 decoding required.

*** Operation of the MV72 under 0°C will make use of the internal heater.

Mounting Accessories Specifications

Wall Mount Arm for MV72

Wall mount for attaching camera perpendicular to mounting surface

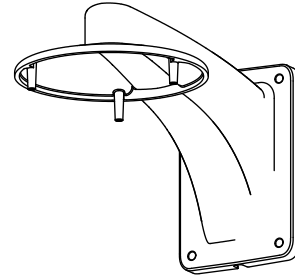
Includes pendant cap

Supported Models: MV72

Dimensions (wall bracket) 160.0mm L x 104.0mm W x 286.0mm D

Combined weight: 0.67kg

MA-MNT-MV-10



Pole Mount

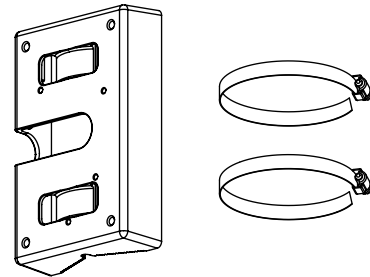
Can be used in conjunction with MA-MNT-MV-10 Wall Mount Arm

Supported Models: MV72

Dimensions: 163.5mm L x 107.6mm W x 34.0mm D

Combined weight: 0.289kg

MA-MNT-MV-20



Wall Mount Arm for MV12

Wall mount arm for attaching camera perpendicular to mounting surface

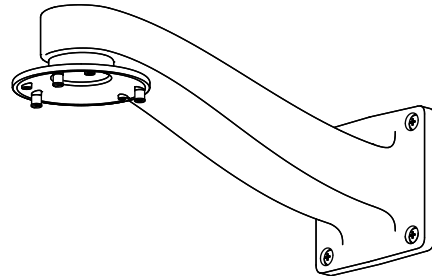
Includes pendant cap

Supported Models: MV12

Dimensions (wall bracket): 91.3mm L x 94.0mm W x 302.3mm D

Combined weight: 0.697kg

MA-MNT-MV-30



Wall Mount Bracket

Support models: MV22

Dimensions: 48.0mm L x 130.0mm W x 156.2mm D

Combined weight 0.503kg

MA-MNT-MV-31

