

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)

Audio recording supported with built-in microphone

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)

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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