·il¡·il¡· Meraki
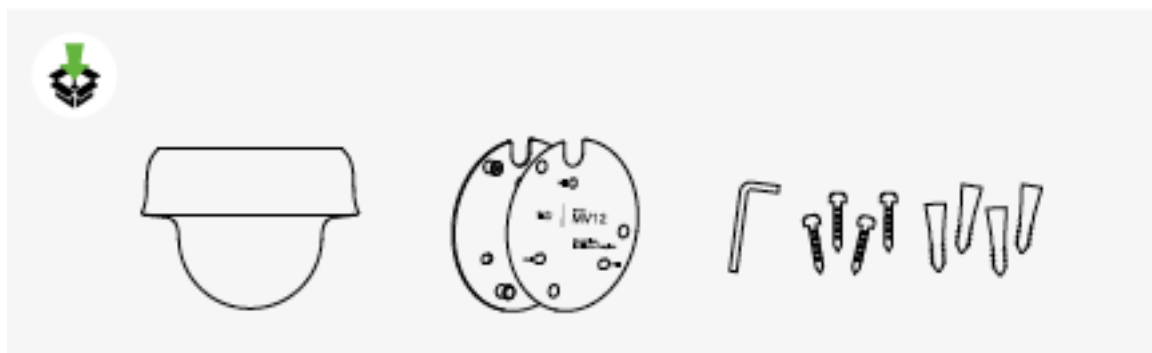## CISCO

MV12 Installation Guide

MV12 Overview

The Cisco Meraki MV12 is a wireless networked camera that is exceptionally simple to deploy and configure due to its integration into the Meraki dashboard and the use of cloud augmented edge storage. The MV family eliminates the complex and costly servers and video recorders required by traditional solutions which removes the limitations typically placed on video surveillance deployments.

Package Contents

In addition to the MV camera, the following are provided:

Ethernet Ports

The MV12 features one LAN RJ45 port. This port is used for two purposes. One function is to be an uplink to access Meraki's Dashboard. The secondary function is to accept 802.3af power over Ethernet (PoE) via an injector or Switch.

Power Options

The MV12 can be powered using a Meraki MA-INJ-4 PoE injector (optional accessory) or using a PoE switch.

Pre-Install Preparation

You should complete the following steps before installing the MV12 in its final location.

Configure your MV12 in the Networking using Dashboard

You should complete the following steps before installing the MV12 in its final location.

The following is a brief overview only of the steps required to add a MV12 to your network. For detailed instructions about creating, configuring, and managing Meraki Camera networks, refer to the online documentation (https://documentation.meraki.com/MV).
1. Login to http://dashboard.meraki.com. If this is your first time, create a new account.
2. Find the network to which you plan to add your camera(s) or create a new network.
3. Add your camera(s) to your new network. You will need your Meraki order number (found on your invoice) or the serial number of each camera, which looks like Qxxx-xxxx-xxxx, and is found on the bottom of the unit.
4. Verify that the camera is now listed under **Cameras > Monitor > Cameras.**

Check and Configure Firewall Settings

If a firewall is in place, it must allow outgoing connections to particular ports using given IP addresses. The most current list of outbound ports and IP addresses for your particular organization can be found here.

DNS Configuration

Each MV12 will generate a unique domain name to allow for secured direct streaming functionality. These domain names resolve an A record for the private IP address of the camera. Any public recursive DNS server will resolve this domain.

If utilizing an onsite DNS server, please whitelist *.devices.meraki.direct or configure a conditional forwarder so that the local domains are not appended to *.devices.meraki.direct and that these domain requests are forwarded to Google public DNS.

Assigning IP Addresses

At this time, the MV12 does not support static IP assignment. MV12 units must be added to a subnet that uses DHCP and has available DHCP addresses to operate correctly.

Installation Instructions

Note: *Each MV12 comes with an instruction insert within the box. This insert contains detailed step-by-step guides and images to assist in the physical installation of the camera. A pdf can be found <u>here</u>. (Note—this is a draft hyperlink not active yet.)*
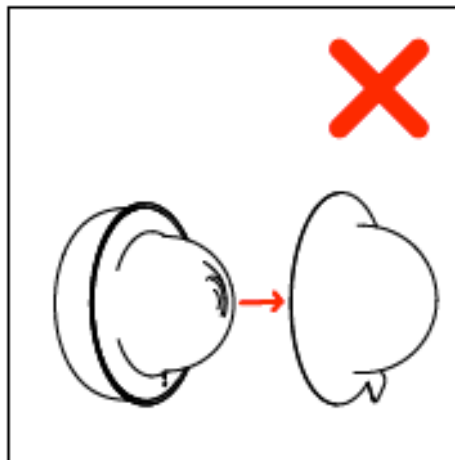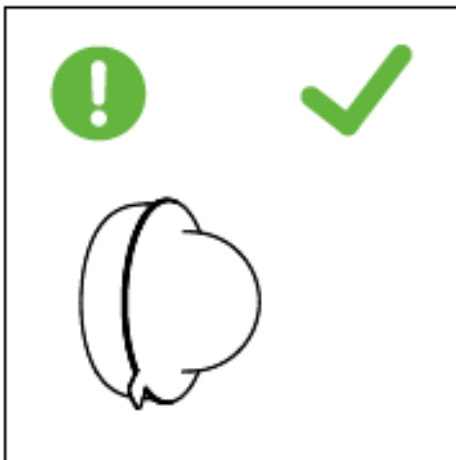
Note: *During first time setup, the MV12 will automatically update to the latest stable firmware. Some features may be unavailable until this automatic update is completed. This process may take up to 10 minutes due to enabling of whole disk encryption.*
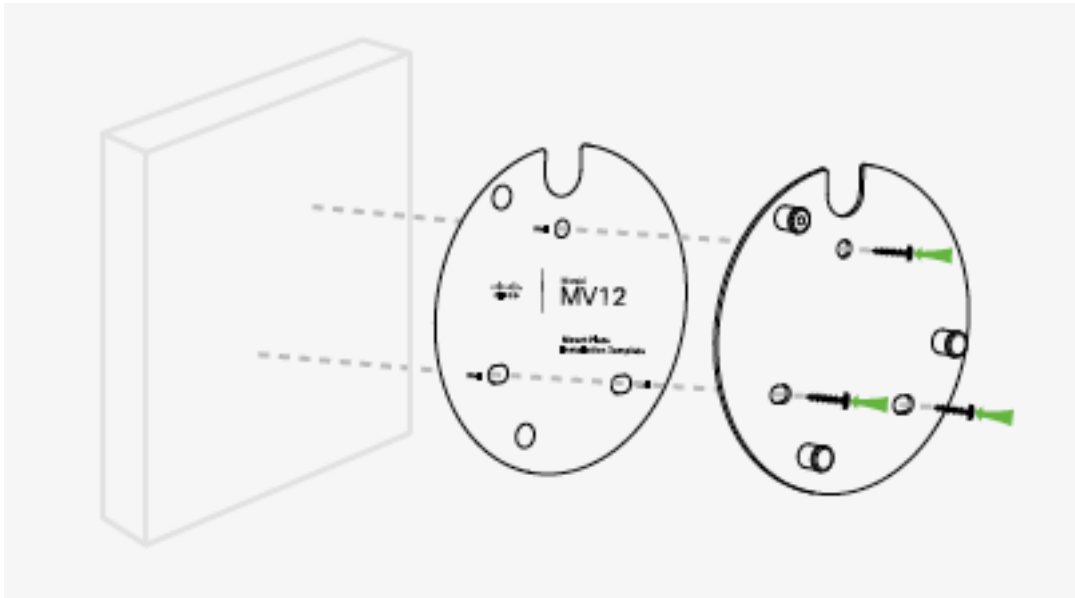
Wall Mounting Instructions

For most mounting scenarios, the MV12 wall mount provides a quick, simple, and flexible means of mounting your device. The installation should be done in a few simple steps—
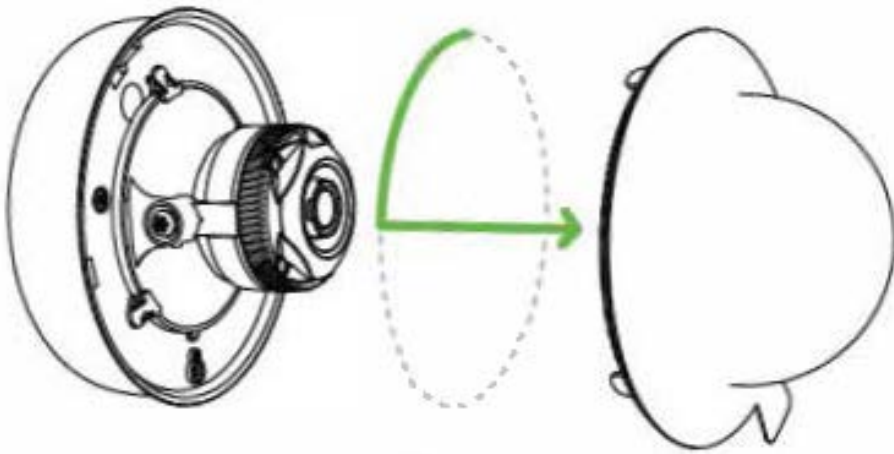
1. Leave the protective lens cover on.

2. Install the wall mount plate using the template to determine the mounting hole locations before screwing in the mount plate. Peel backing from mount template to stick on wall. Slide the MV12 onto the wall mount.
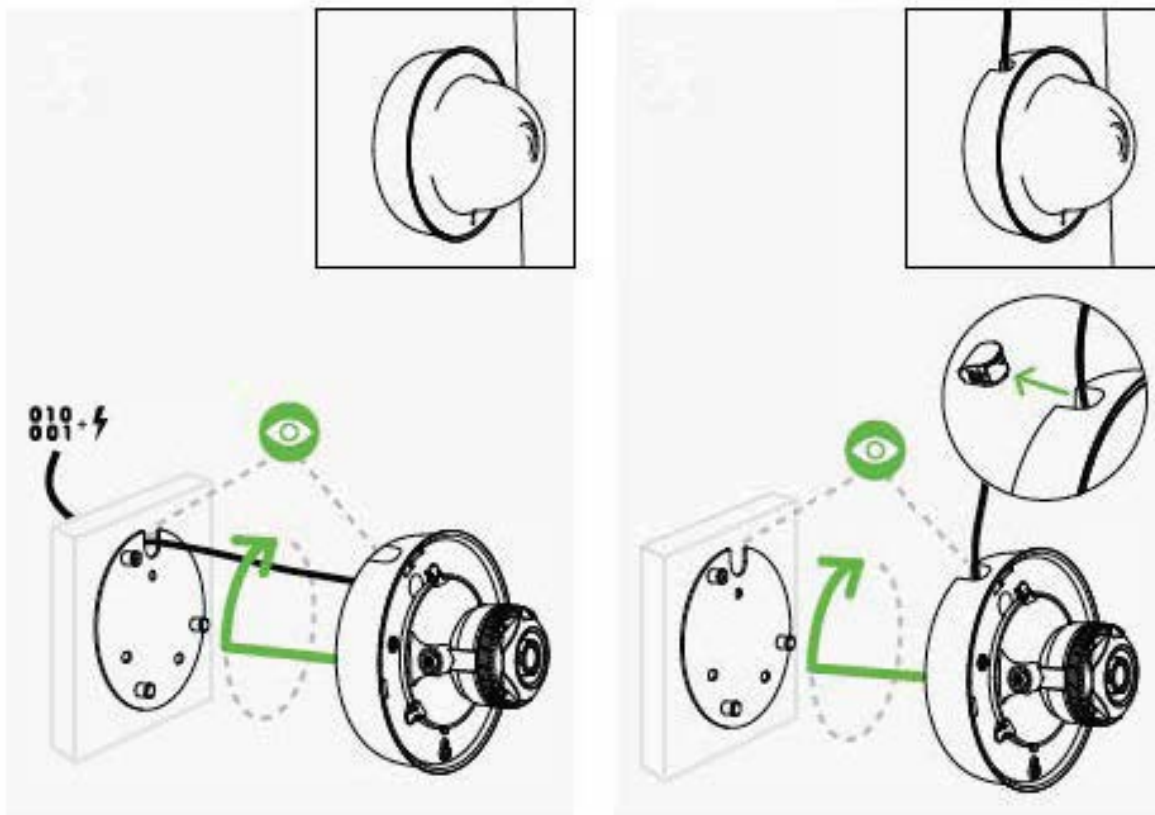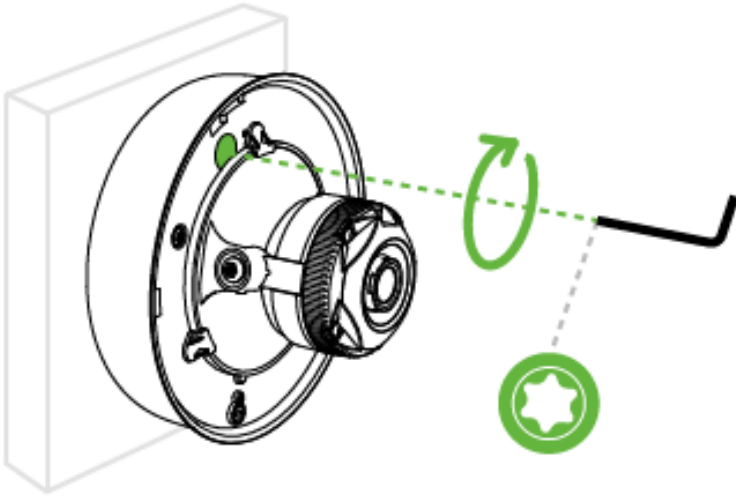

3. Connect the PoE cable to camera.

4. Remove the the lens cover with protective shell still intact to connect the PoE RJ45 cable in two possible methods (1) through wall plate or (2) through the cable opening after removing the cable guard.
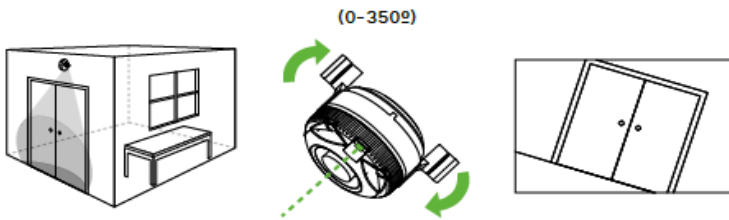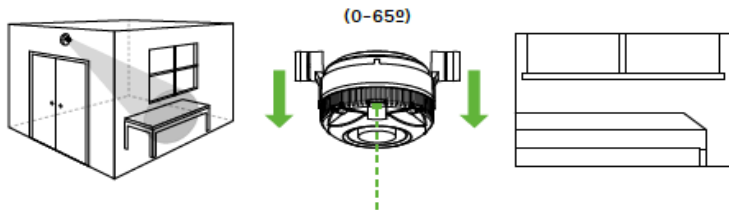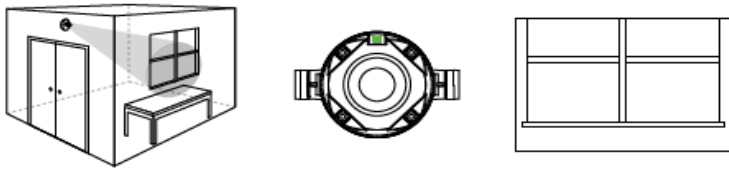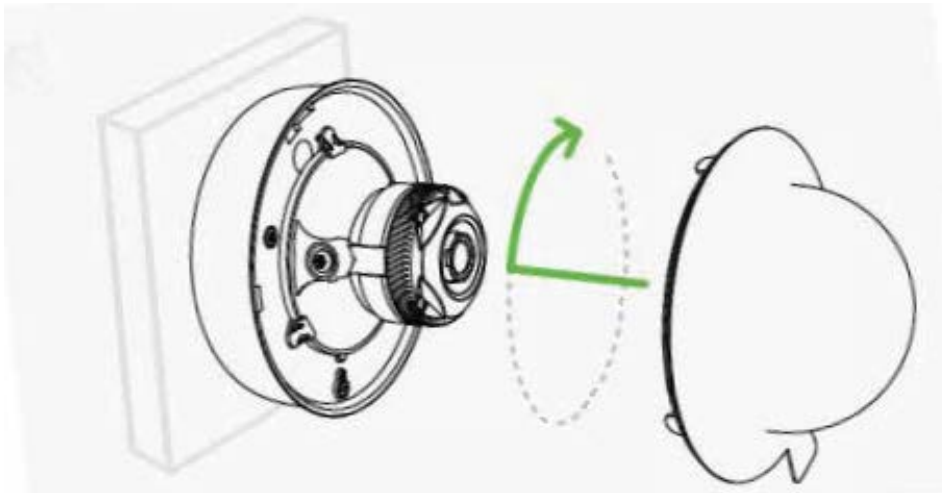

5.

6. Place the camera over the top of the mount plate and match to plate hooks/mounts. Secure with Phillips or Torx head safety screw.
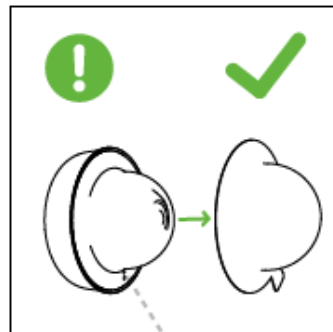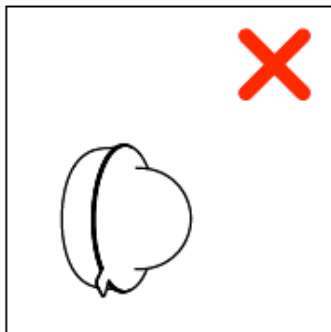

7. Aim the lens. Look through the camera on the Meraki Dashboard to fine tune the picture. The camera sensor and lens unit can be physically tilted through a range of 65 degrees, rotated through a range of 350 degrees, and panned through a range of 350 degrees. The image can only be rotated by 180 degrees in software and no other adjustments can be made. Zoom and focus can be adjusted remotely and cannot be adjusted physically on the camera.

(0-65º)

(0-350º)

(0-350º)

8. After the lens adjust is complete, place the lens and protective cover back on the camera.

9. Remove the protective cover. The MV12 is equipped with a LED light on front of the unit to convey information about system functionality and performance.

10. Login to dashboard.meraki.com