TIP: Fisheye Image Configuration

When the MVC-9710 camera is installed and set up as described in this Guide, it outputs a 360-degree fisheye image.
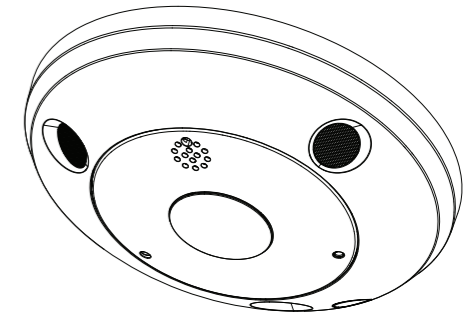
Image "de-warping" and configuration are performed in the Evidence Manager video management/player software. For more information, please see the *Evidence Manager User Guide* (part #700-1157).

Product Overview

This install guide applies to the following camera model:

- MVC-9710-13-WI

The MVC-9710 camera is compatible with MobileView 7000 series recorders running Service Pack 3 or newer firmware.
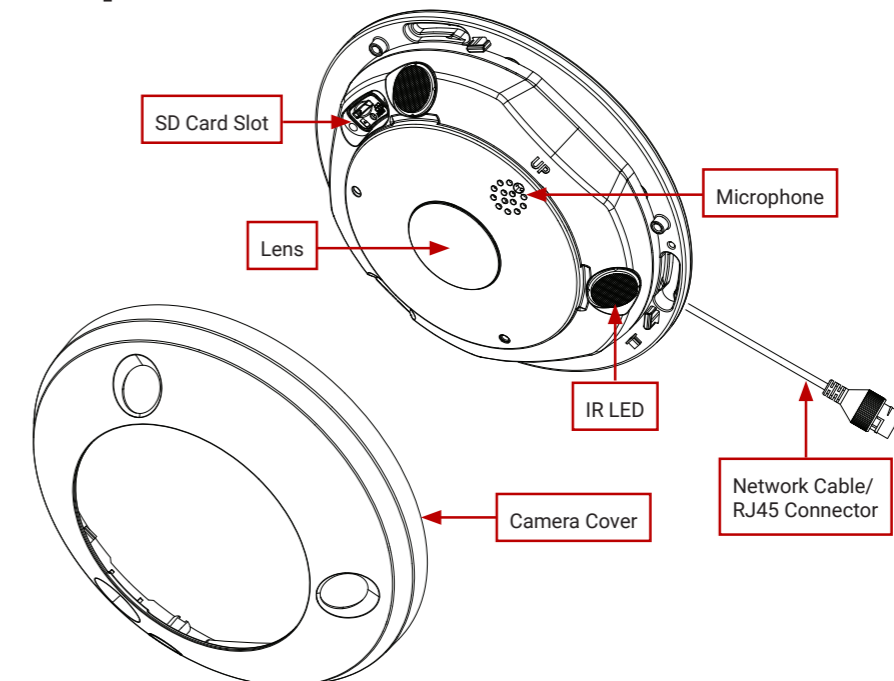
Package Contents

Inspect the package contents for visibly damaged or missing parts. If found, retain original packaging, contact your supplier, and do not use the camera.

Your package includes:

- Camera, drill template
- Installation Guide (this document)
- Torx wrench
- Rubber grommet

Installation Requirements

- **Ceiling Mount**: this camera kit is designed for ceiling mount applications.
- **Electrical**: Only qualified service members should install wiring to prevent overload of the power cord. Always use a genuine MobileView PoE product, such as MVNS-3200 PoE Switch to power the camera.
- **Cables**: PoE (802.3af) Cat5, 24AWG stranded or better. Standard RJ45 jack.
- **Ventilation**: Install the camera in a well-ventilated location.
- **Temperature**: Do not operate the camera beyond the specified temperature and humidity ratings.
- **Service**: Only qualified service personnel should repair and service the camera, or the product warranty may be invalidated. To avoid personal injury, do not dismantle the camera, except as required for normal installation.
- **Cleaning**: Dust or grease on the dome bubble will cause IR reflection. If required, wipe the dome bubble with a clean, soft cloth and isopropyl alcohol.

Camera Description

Service

If your MVC-9710 camera is to be returned for service, please call (toll free) **1.877.630.7366** or **1.844.899.7366**, and provide the model and/or serial number of your unit. Ask for a Return Merchandise Authorization (**RMA**) number. An RMA number allows the Service Technicians to better track your product when it comes in for service. Please show the RMA number on the outside of the package. **ANY PRODUCT SENT WITHOUT AN RMA# MAY BE REFUSED**.

Technical Support

- Email: service@seon.com
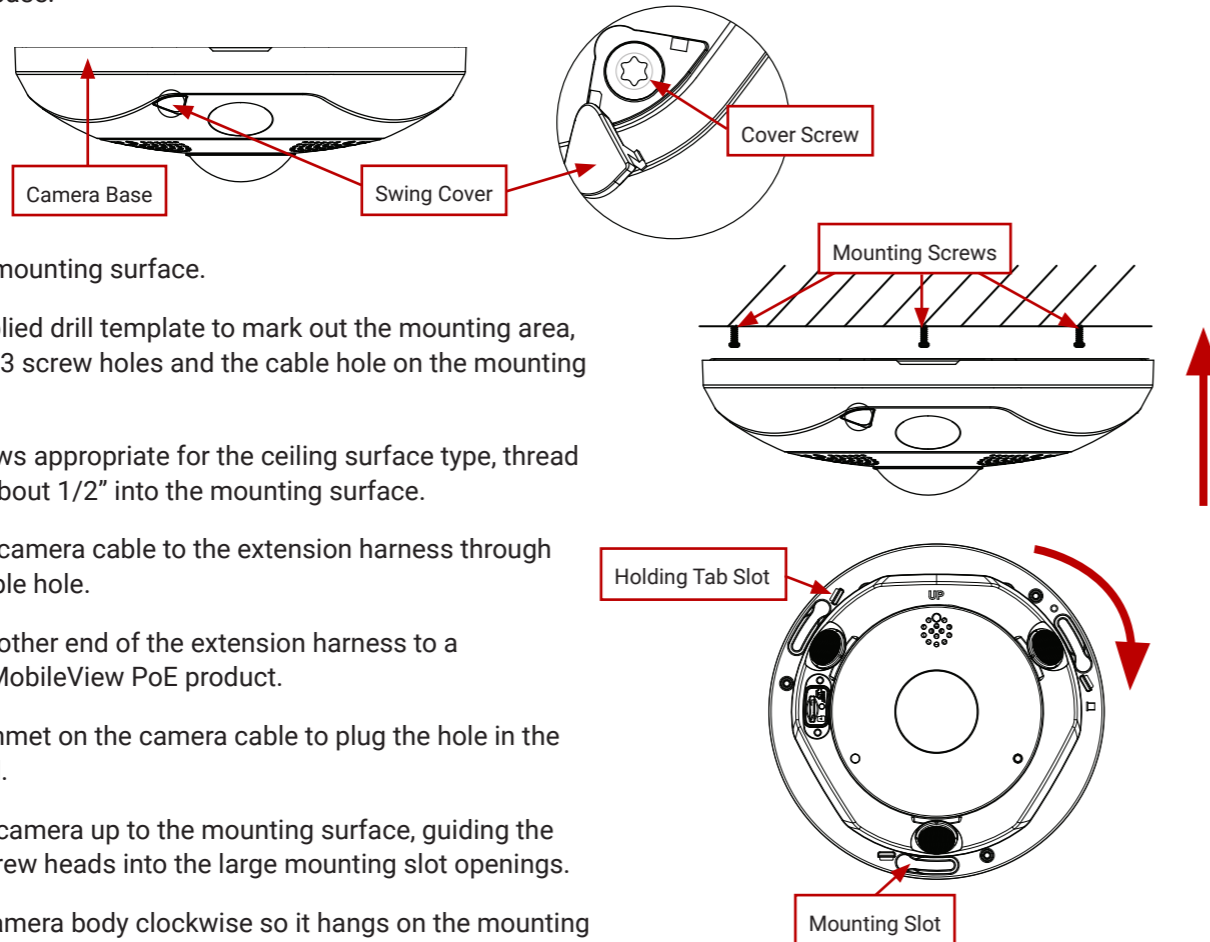- Phone: 1.877.630.7366

Documentation

For more information on configuring the fisheye camera image, see the *Evidence Manager User Guide* (part #700-1157). For details on the recorder, see the MobileView 7000 Series documentation.

Additional copies of this guide, along with supporting documentation, are available on the SafeFleet Community:

- https://community.seon.com/documents/

Mounting the Camera

1. Remove the camera cover:

   i. Open the small swing cover in the front of the camera to expose the cover screw.

   ii. Use the supplied Torx wrench to loosen the cover screw.

   iii. Locate the 3 rectangular slots around the camera base. Insert a small slot screwdriver into each slot and gently pry the holding tabs toward the outside edge of the housing until the camera cover pops off and exposes the camera base.

Cover Screw

Camera Base   Swing Cover

2. Prepare the mounting surface.

3. Use the supplied drill template to mark out the mounting area, then drill the 3 screw holes and the cable hole on the mounting surface.

4. Using 3 screws appropriate for the ceiling surface type, thread the screws about 1/2" into the mounting surface.

Mounting Screws

5. Connect the camera cable to the extension harness through the panel cable hole.

6. Connect the other end of the extension harness to a compatible MobileView PoE product.

Holding Tab Slot

7. Use the grommet on the camera cable to plug the hole in the vehicle panel.

8. Position the camera up to the mounting surface, guiding the mounting screw heads into the large mounting slot openings.

9. Rotate the camera body clockwise so it hangs on the mounting screws.

Mounting Slot

10. Tighten the mounting screws until they're snug.

11. Replace the camera cover on the base, tighten the cover screw, and close the swing cover.

TIP: Confirm Field of View and Orientation

Once the camera cover is reinstalled, there is no access to the mounting screws. Therefore, ensure the desired field of view and camera orientation are achieved before tightening the mounting screws and replacing the camera cover.
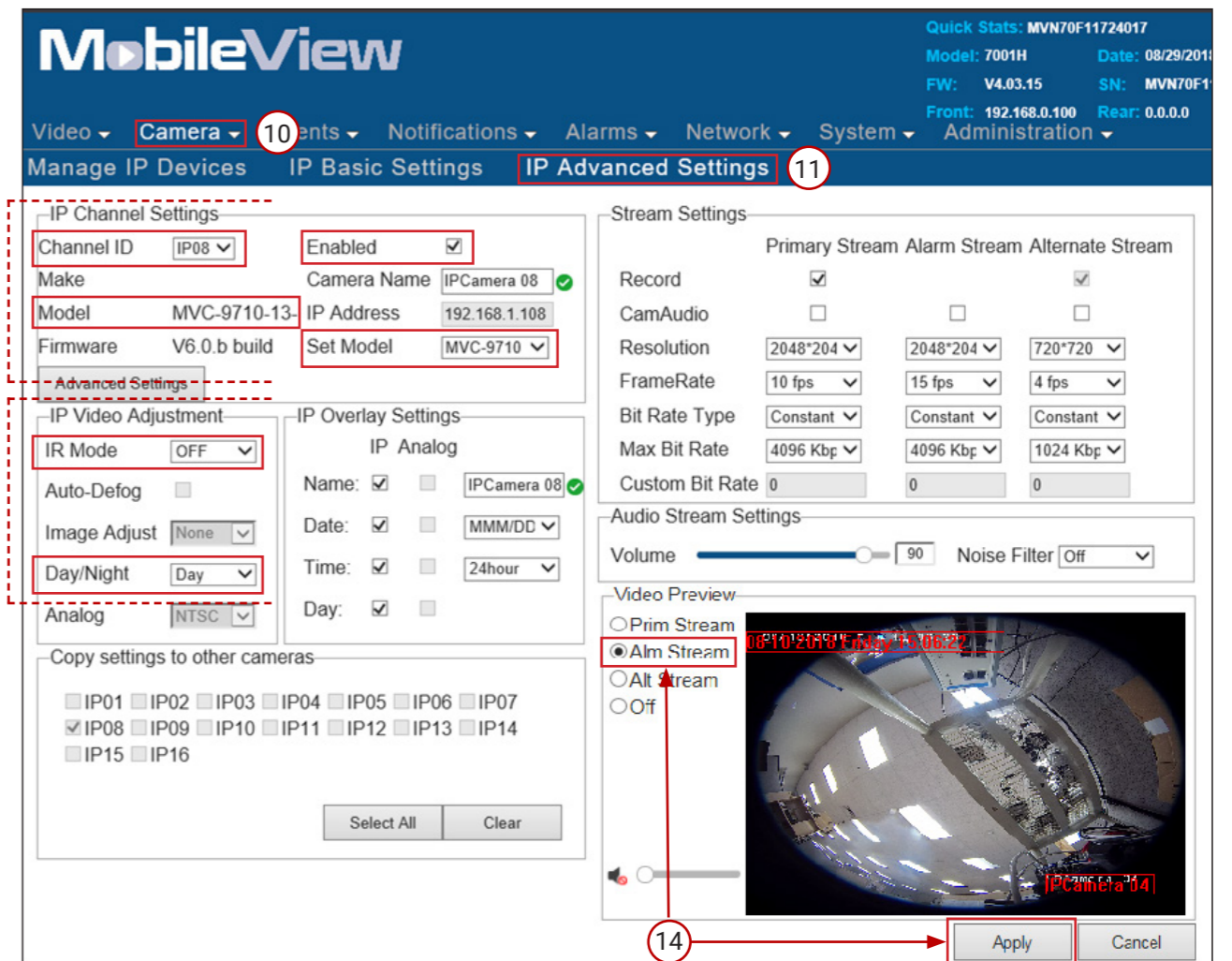
Setting up the Camera

To ensure the default camera configuration meets requirements:

1. Plug an Ethernet cable into camera pigtail's RJ-45 connector.

2. Connect the other end of the Ethernet cable to a free port on the PoE switch (MVNS-3200).
   The IP address of the camera is auto-assigned based on the port to which the camera is connected. For example, if the camera is connected to port 5 of the PoE switch, the camera is assigned IP address 192.168.1.105. Since the Recorder is connected to the same PoE switch, the camera is accessible from the Recorder's configuration Web page.

3. Plug an Ethernet cable into the recorder's front RJ-45 (**Service**) port.
   Connect the other end of the cable to a service laptop.

4. Set the laptop IP (LAN adaptor) to: **192.168.0.99 / 255.255.255.0**

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Setting up the Camera (*continued*)

5. Open a Web browser (*Internet Explorer 11 only*).

6. Enter **192.168.0.100** into the URL.

7. Although the browser does not recommend continuing (the recorder uses a self-signed, untrusted certificate), follow the prompts and continue to the Web page.

8. The Login page appears.
   Enter the username and password.

9. The recorder's Landing page appears, with some basic information about the device.

10. In the top menu bar, select **Camera**.
    The body of the page displays IP device settings.

11. In the sub-menu bar (directly beneath the menu bar), select **IP Advanced Settings**.

12. In the **IP Channel Settings** group:

    • Ensure **Channel ID** is set to the IP channel connected to the MVC-9710 camera, and the **Enabled** checkbox is selected.

    • If the **Model** information is displayed in red, use the **Set Model** drop-down menu to select **MVC-9710**.
      When the recorder detects the camera, the red text should change to regular (black) font ("MVC-9710..."). If you encounter problems with the recorder detecting the camera, please contact Technical Support.

13. In the **IP Video Adjustment** group, adjust **IR Mode** and **Day/Night** settings as required.

14. Under **Video Preview**, select **Alm Stream**, and confirm the image in the preview window is acceptable.
    If the image is incorrect, change IP Advanced Settings as required, then click **Apply** to view the new video preview.