Manuals+ — User Manuals Simplified.

VIVOTEK FD8163 Fixed Dome Network Camera Instruction Manual

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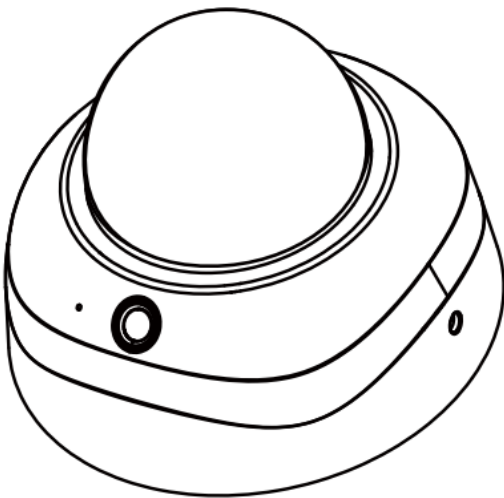

⚠️ Warning Before Installation

- Power off the Network Camera as soon as smoke or unusual odors are detected.
- Do not place the Network Camera around heat sources, such as a television or oven.
- Keep the Network Camera away from direct sunlight.
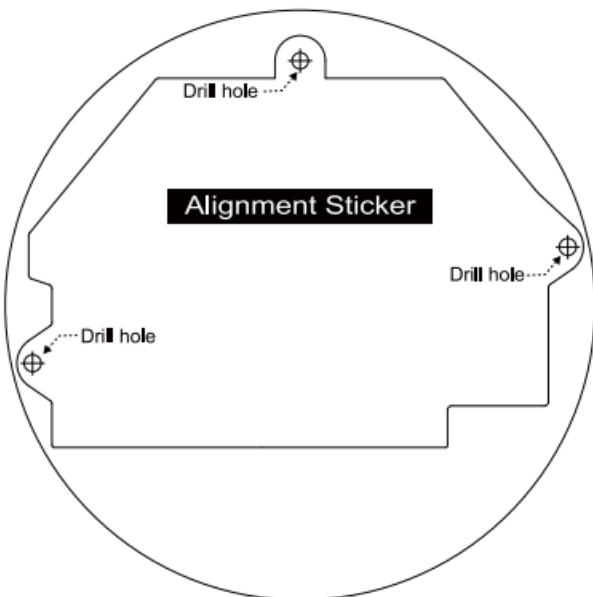
Contents

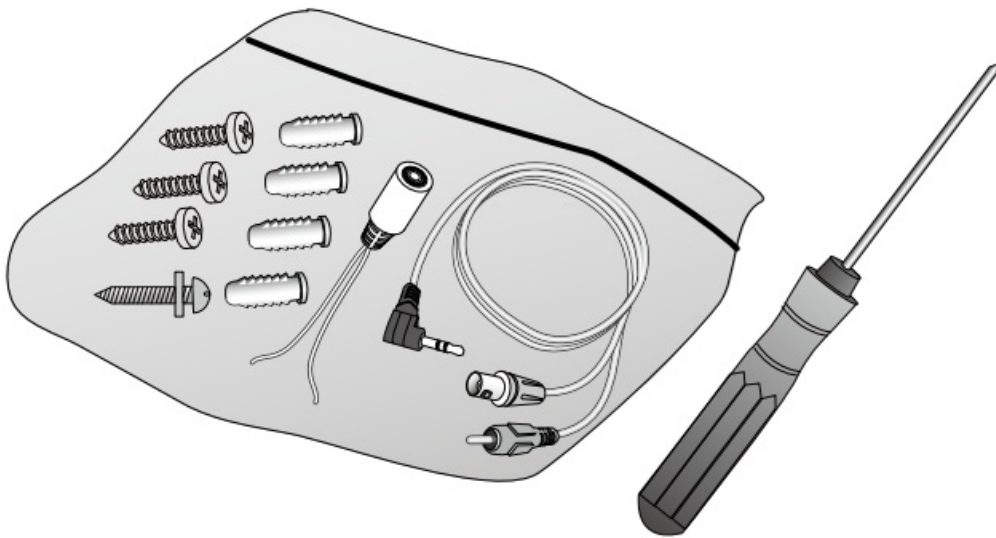## Package Contents

- FD8163

- Software CD

- Quick Installation Guide / Warranty Card

- Keep the Network Camera away from water. If the Network Camera becomes wet, power off immediately.
- Refer to your user's manual for the operating temperature.
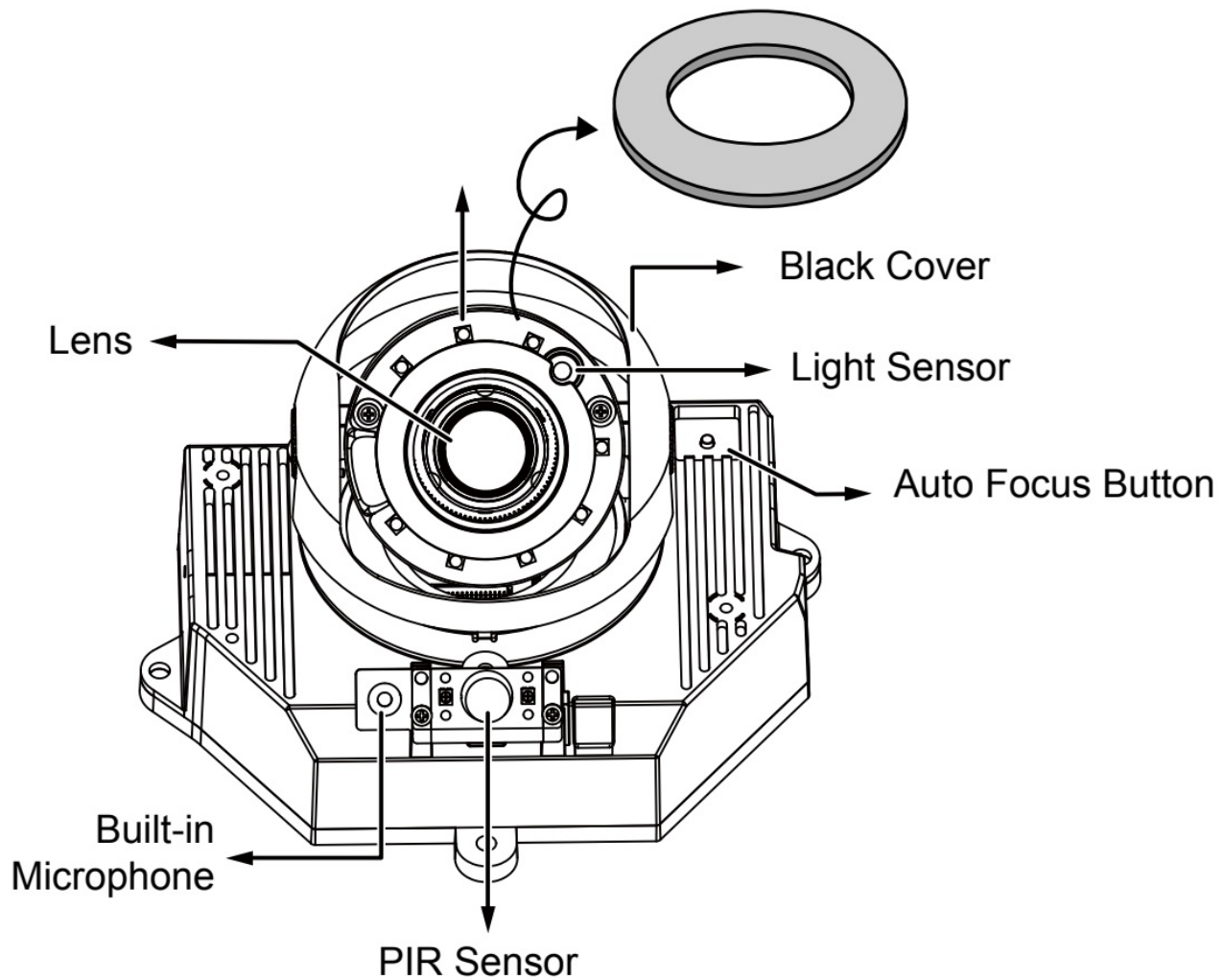- Do not place the Network Camera in high humidity environments.
- Alignment Sticker

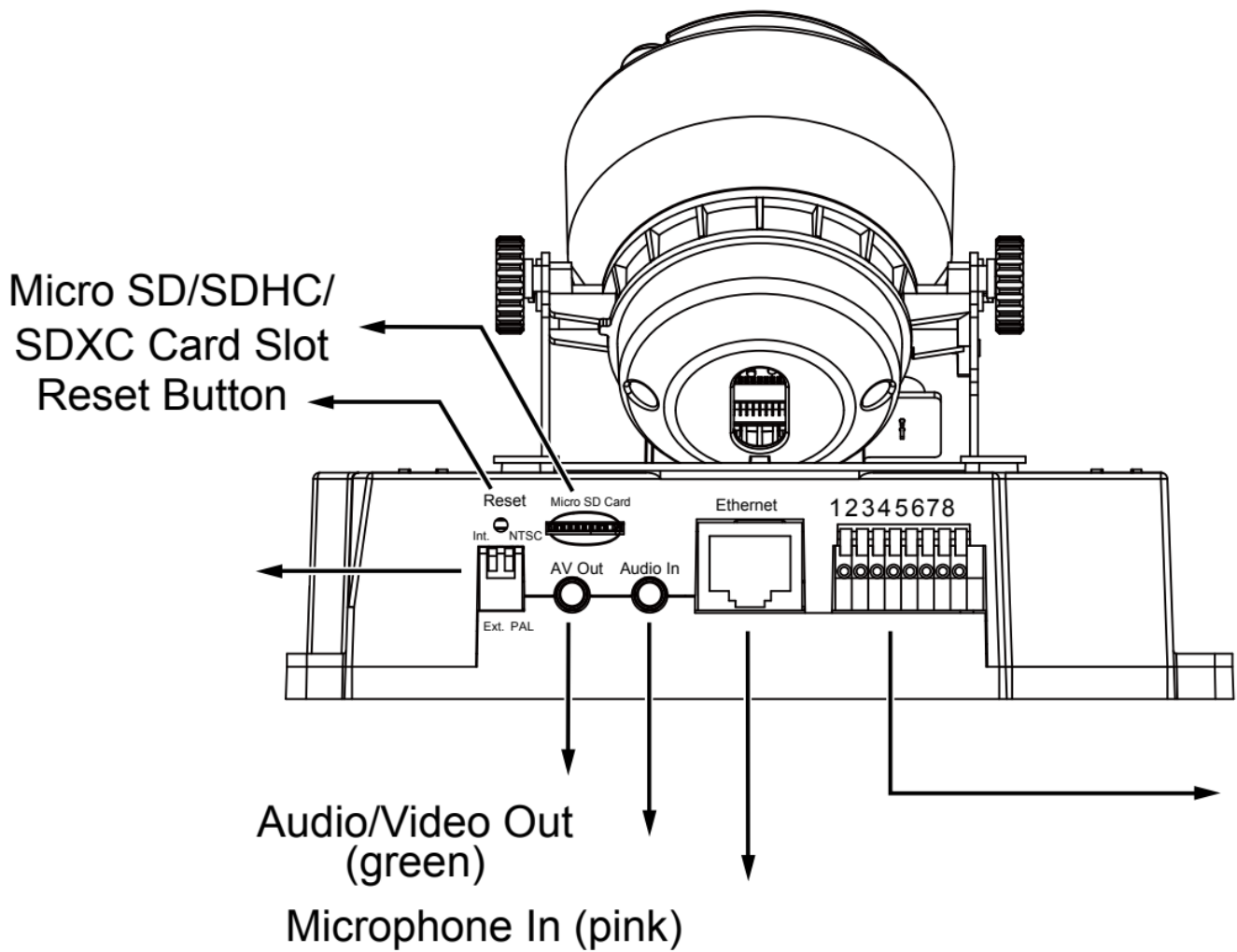- T10 Torx Screwdriver/ Screws / DC connector / Plastic Anchors / AV Cable
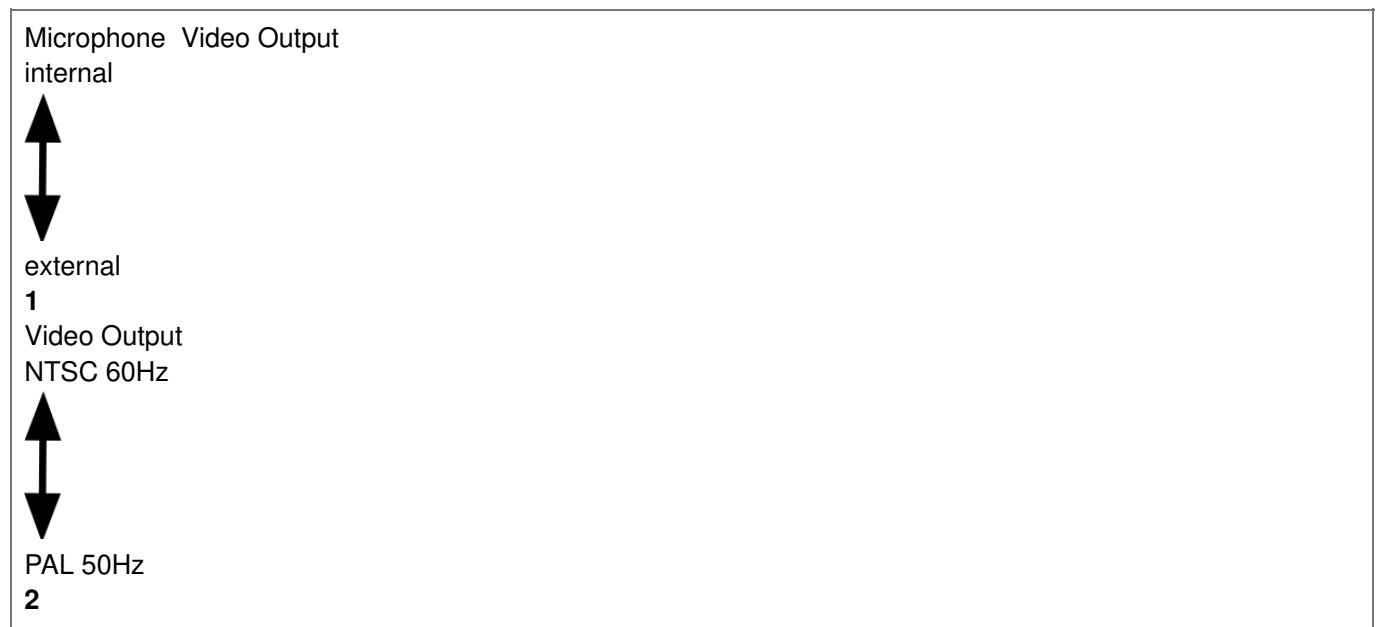
Physical Description

Camera Front View : Remove foam pad.

Black Cover

Lens

Light Sensor

Auto Focus Button

Built-in Microphone

PIR Sensor

Camera Rear View

Micro SD/SDHC/
SDXC Card Slot
Reset Button

Reset   Micro SD Card   Ethernet   1 2 3 4 5 6 7 8

Int.   NTSC

AV Out   Audio In

Ext. PAL

Audio/Video Out
(green)

Microphone In (pink)

Jumpers

Microphone Video Output
internal

↕

external
1
Video Output
NTSC 60Hz

↕

PAL 50Hz
2

NOTE:

The max. output load from pins #7 and 8 is 50mA.

General IO Terminal Block

|	
1	DC 12V
2	DC 12V+
3	AC24V_2
4	AC24V_1
5	DI- (GND)
6	DI+
7	DO
8	DO+ (+12V)

Hardware Installation

Before installing your camera, make sure the built-in PIR (Passive Infrared Sensor) can be directed toward the area of interest, where possible intrusion may occur. (The sensitivity of PIR sensor depends on the object size and temperature differences between the object and the background environment.)
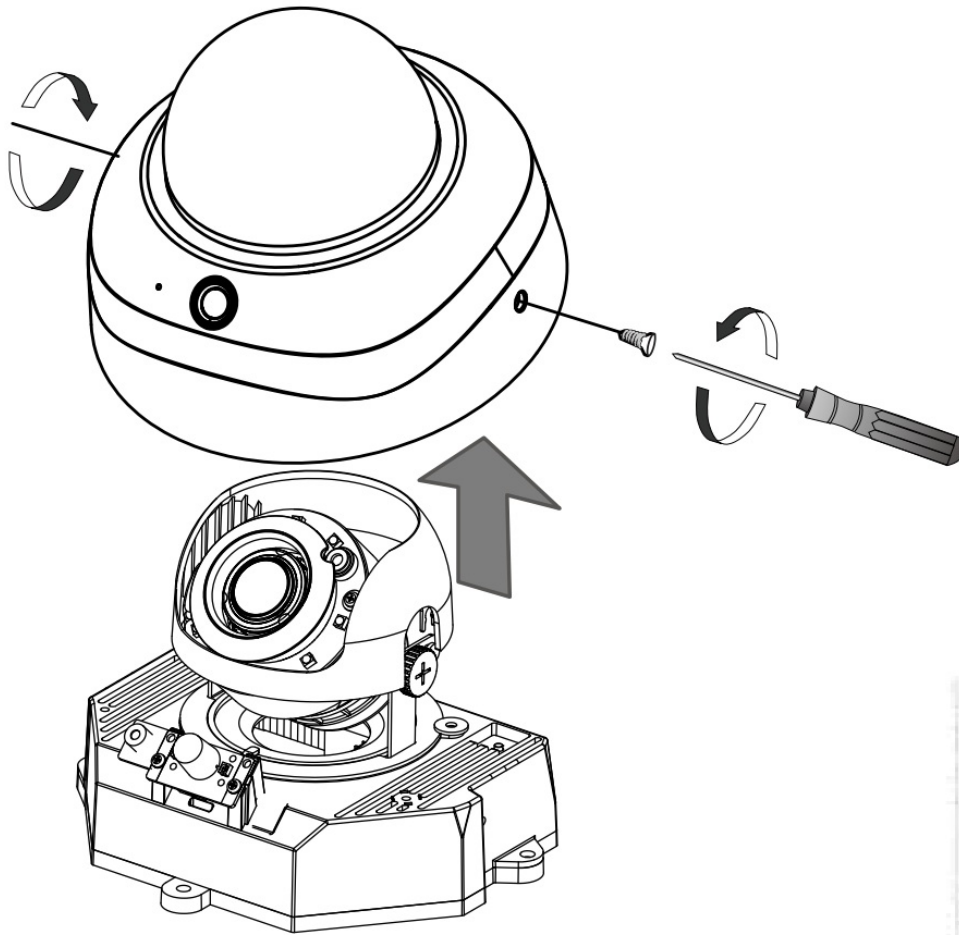
Top View
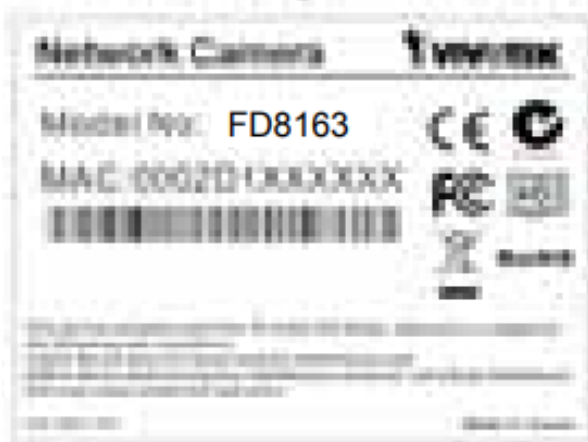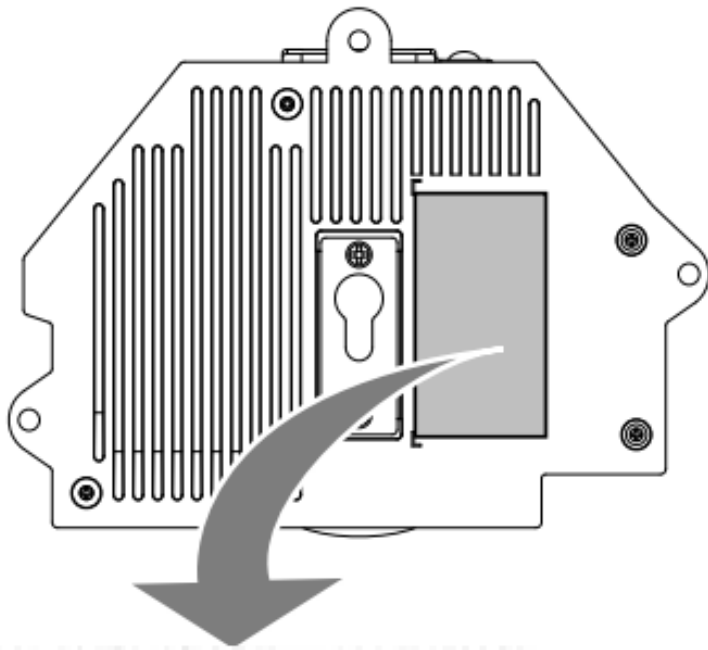
50°

5m

50°

Side View

41°

5m

41°
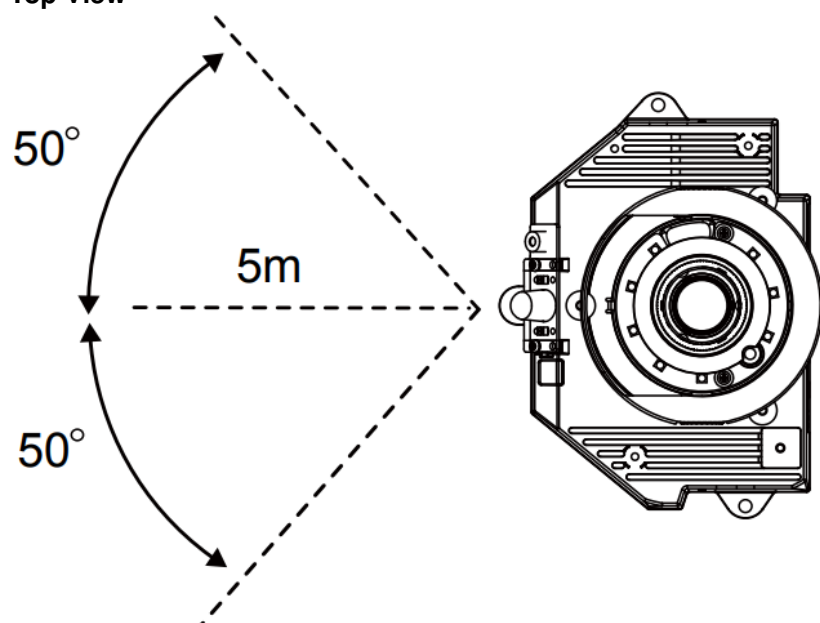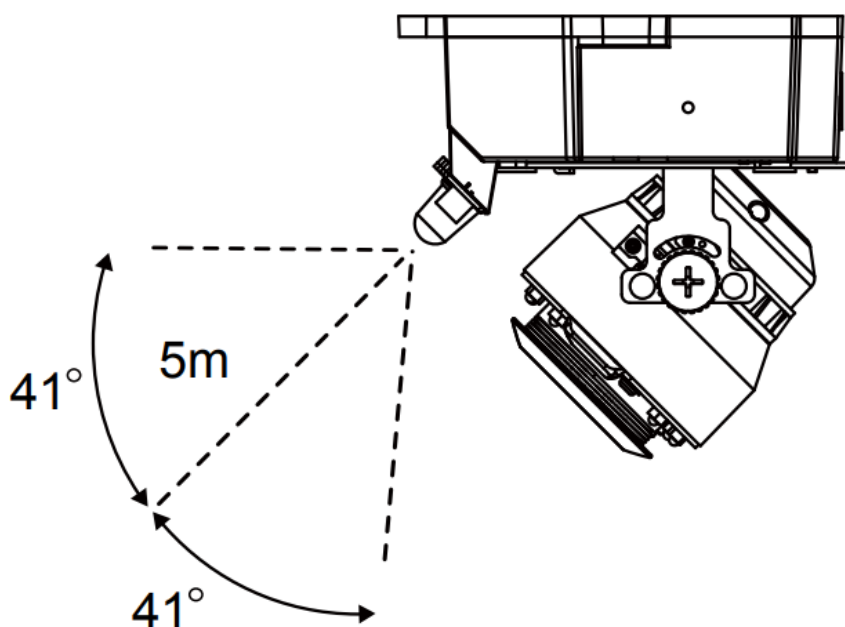
Remove the dome cover using the included T10 Torx screwdriver. You should then jot down the MAC address at the bottom of the camera.

Dome Cover

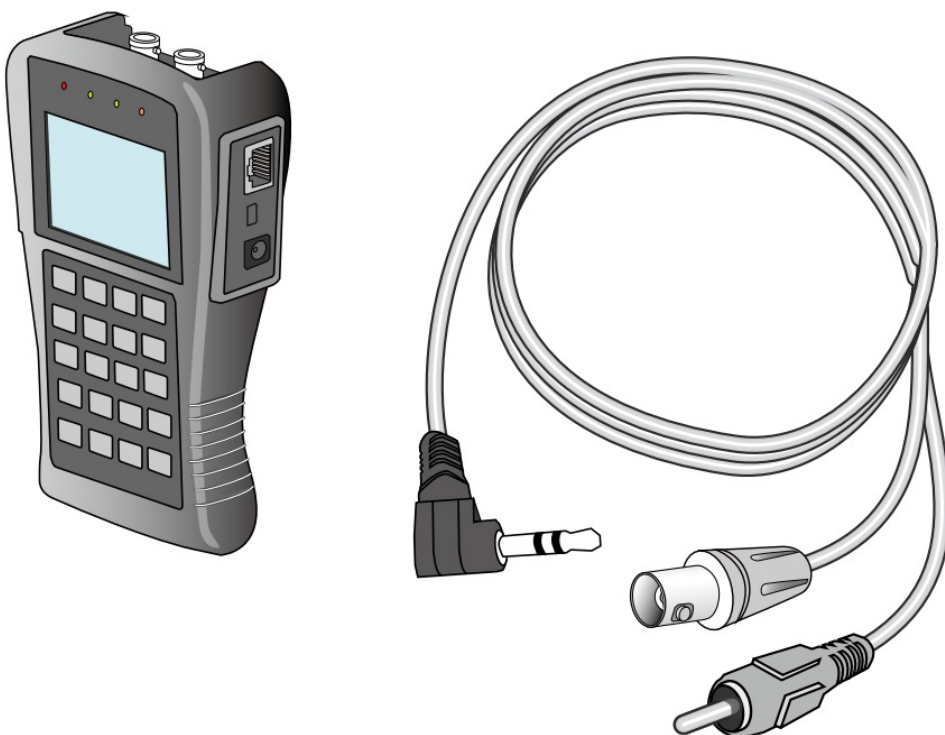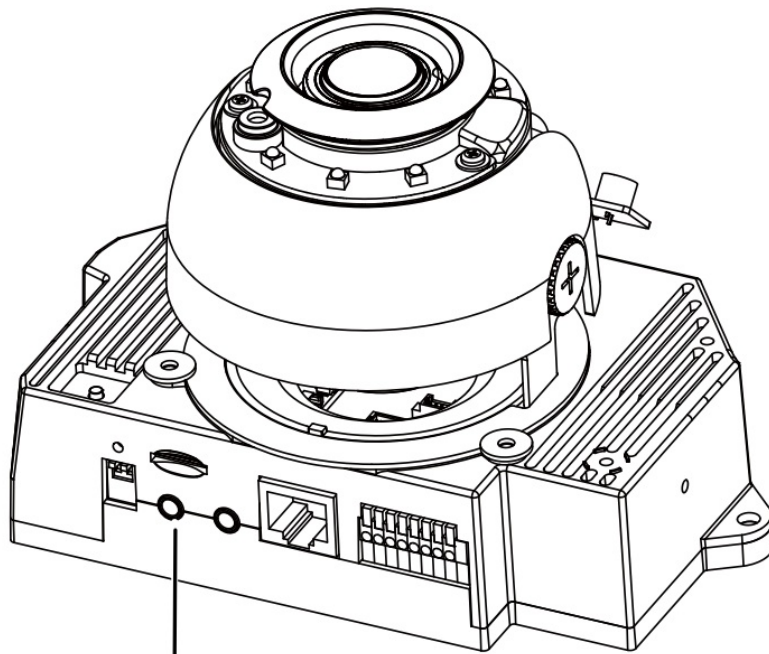Bottom of the Camera

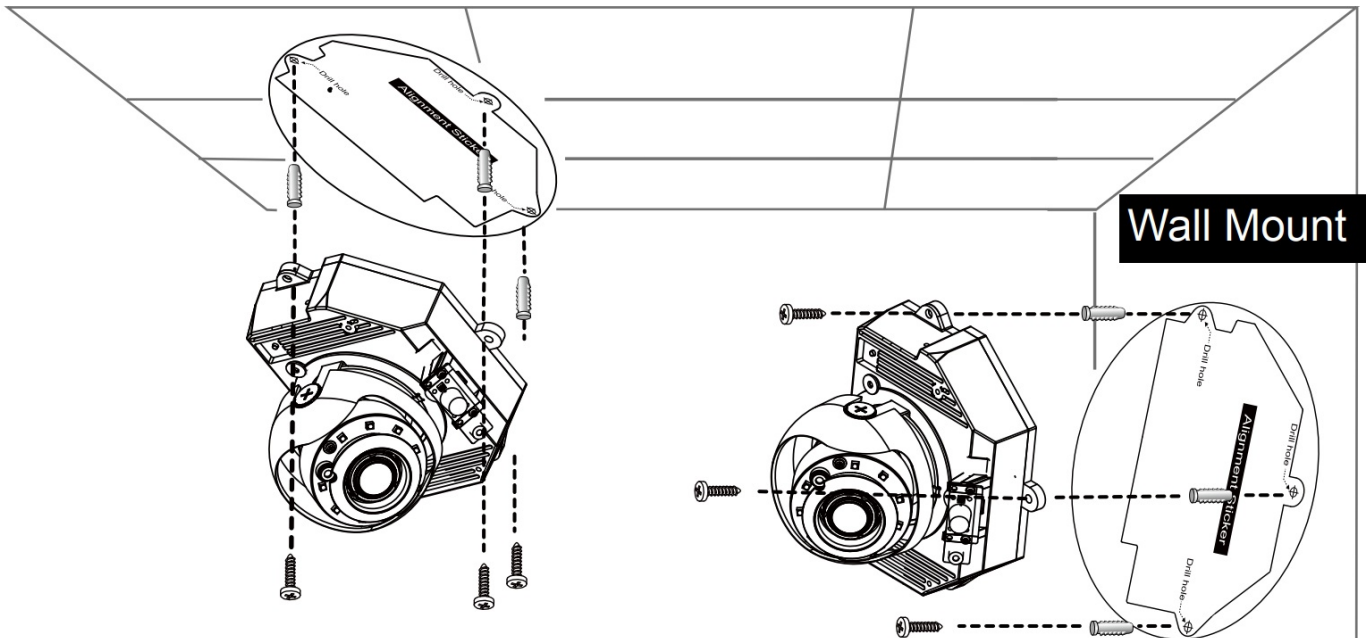Network Camera   Vivotek

Model No: FD8163

MAC: 0002D1XXXXXX   CE ☺

FC

NOTE:

You may use the included AV cable to connect a camera tester for initial configuration at the installation site.

LCD Monitor/ Camera tester

AV Out

Ceiling Mount

Wall Mount

1. Attach the alignment sticker to the ceiling/wall.
2. Through the two circles on the sticker, drill two pilot holes into the ceiling/wall.
3. The Network Camera can be mounted with the cable routed through the ceiling/wall or from the side. If you want to feed the cable through the ceiling/wall, drill a cable hole.
4. Hammer the supplied plastic anchors into the holes.
5. Align the two holes on each side of the camera base with the two plastic anchors on the ceilling/wall, insert the supplied screws to corresponding holes and secure them with a screwdriver.

Network Deployment
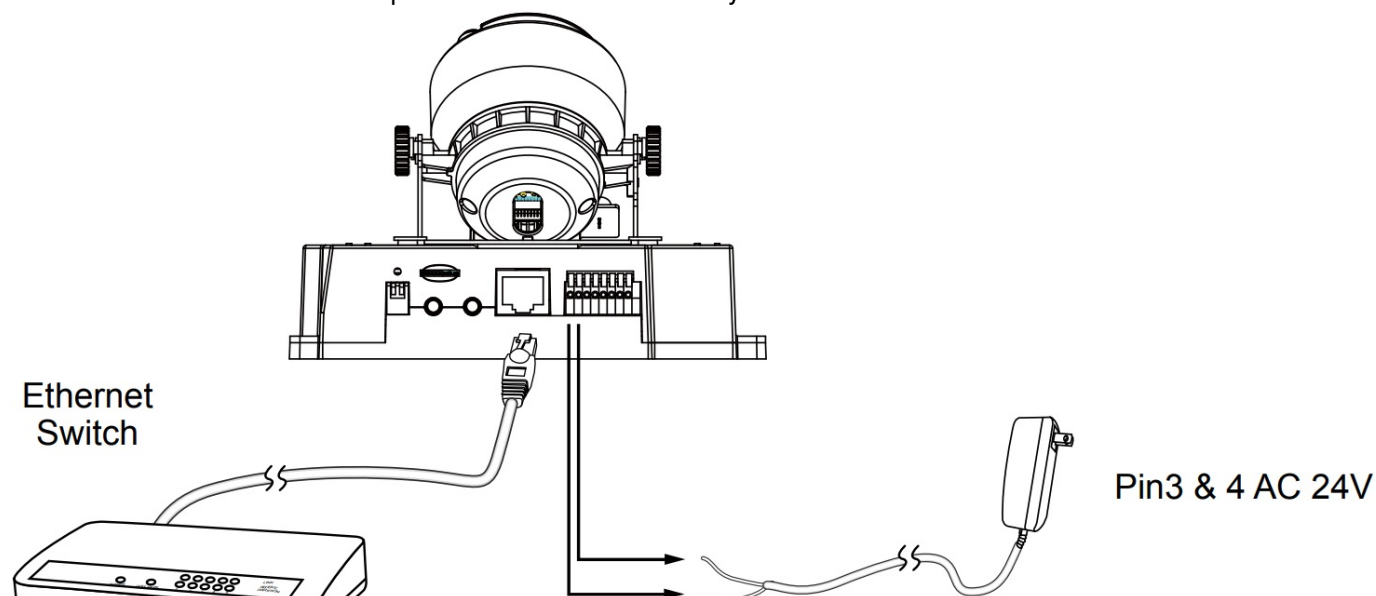
General Connection (without PoE)

1. If you have external DI devices, make the connection from general I/O terminal block.

2. Ethernet, power, and other cables are user-supplied.

3. Connect the AC cables from the terminal block as an alternate power source. The IO cables are user-supplied.

NOTE:

Pin #3 & 4 AC 24V as alternate power are for indoor use only


Power over Ethernet (PoE)

- **When using a PoE-enabled switch**

  This Network Camera is PoE-compliant, allowing transmission of power and data via a single Ethernet cable.

  Follow the below illustration to connect the Network Camera to a PoE-enabled switch via Ethernet cable.
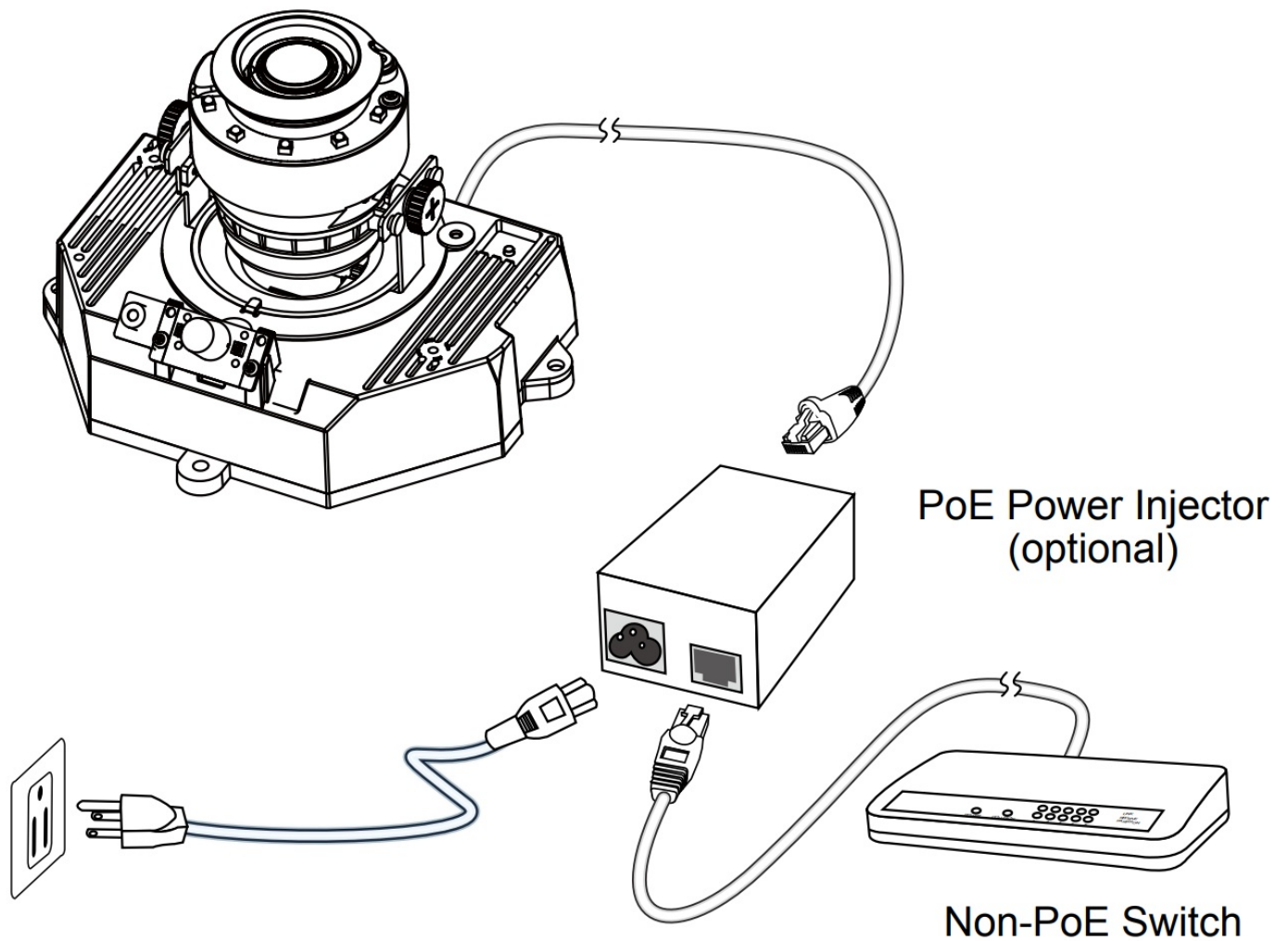
NOTE:

1. This equipment is only to be connected to PoE networks without routing to outside plants.

2. For PoE input connections, use only UL listed I.T.E. with PoE output.
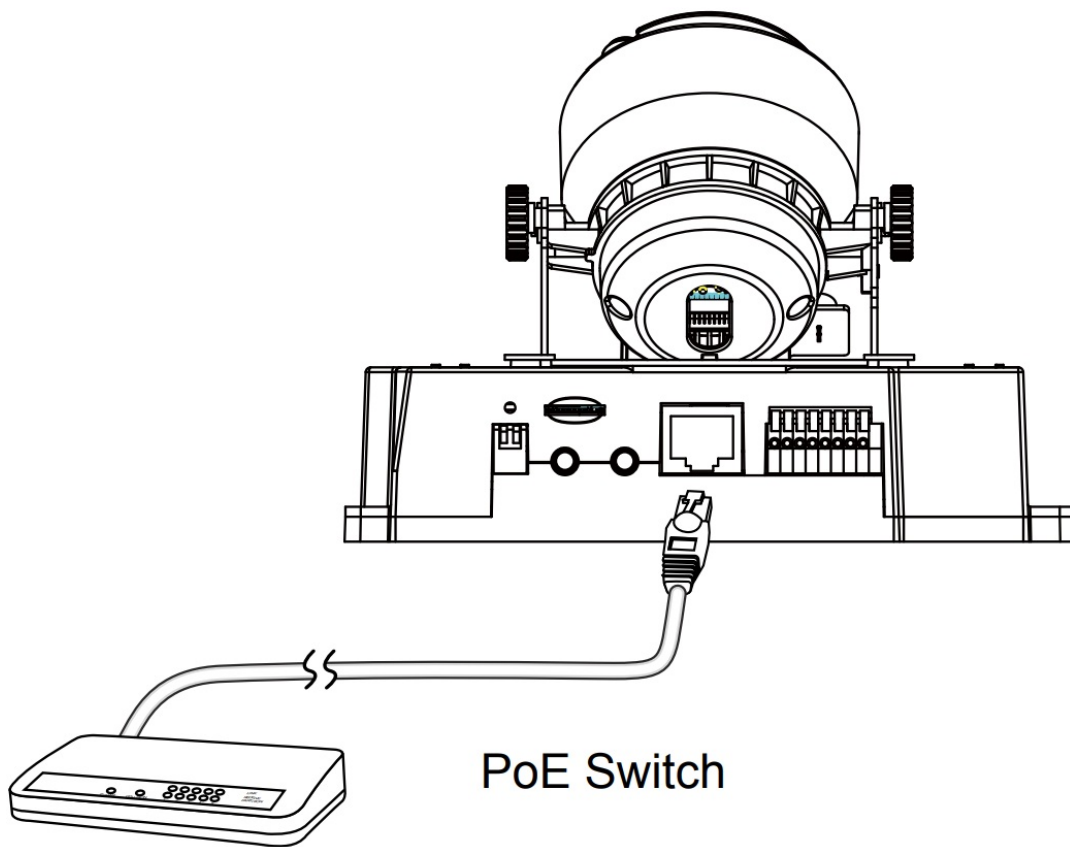
PoE Switch

- **When using a non-PoE switch**

  Use a PoE power injector (optional) to connect between the Network Camera and a non-PoE switch.

PoE Power Injector
(optional)

Non-PoE Switch

Assigning an IP Address

1. Install "Installation Wizard 2" from the Software Utility directory on the software CD.
2. The program will conduct an analysis of your network environment. After your network is analyzed, please click on the "Next" button to continue the program.
3. The program will search for VIVOTEK Video Receivers, Video Servers, and Network Cameras on the same LAN.
4. After a brief search, the main installer window will pop up. Double-click on the MAC address that matches the one printed on the camera label or the S/N number on the package box label to open a browser management session with the Network Camera.

Ready to Use

1. A browser session with the Network Camera should prompt as shown below.
2. You should be able to see live video from your camera. You may also install the 32- channel recording software from the software CD in a deployment consisting of multiple cameras. For its installation details, please refer to its related documents.


For further setup, please refer to the user's manual on the software CD.
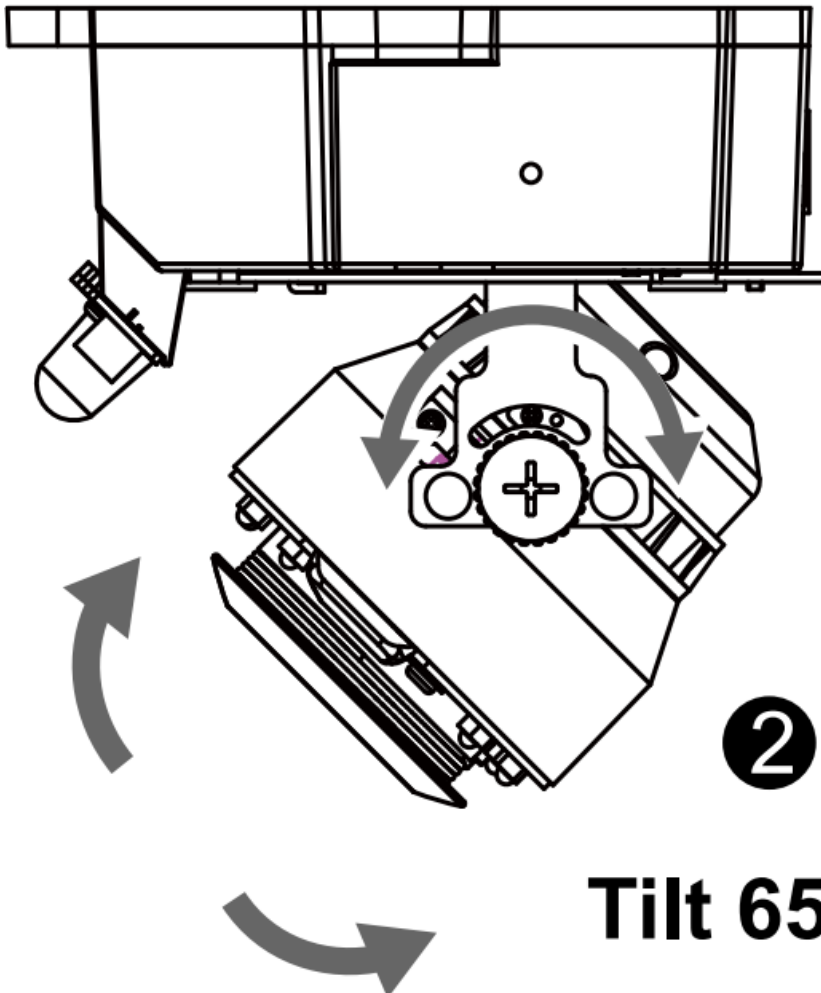
Adjusting the Lens

Based on the live image retrieved from the camera, adjust the camera lens to the desired view angle:

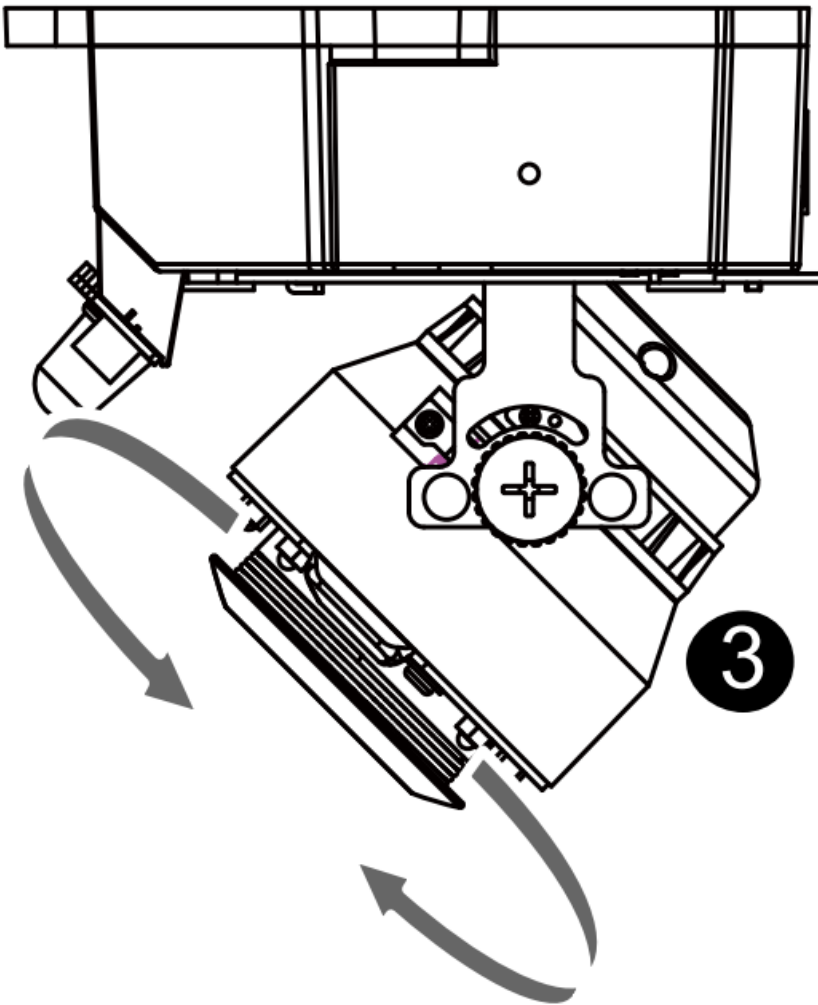1. Turn the lens module left and right.

2. Loosen the tilt adjustment screws on both sides of the camera and then turn the lens module up and down. Upon completion, tighten the screws.

3. Turn the lens to adjust the image orientation.

Pan 350°

❷

Tilt 65
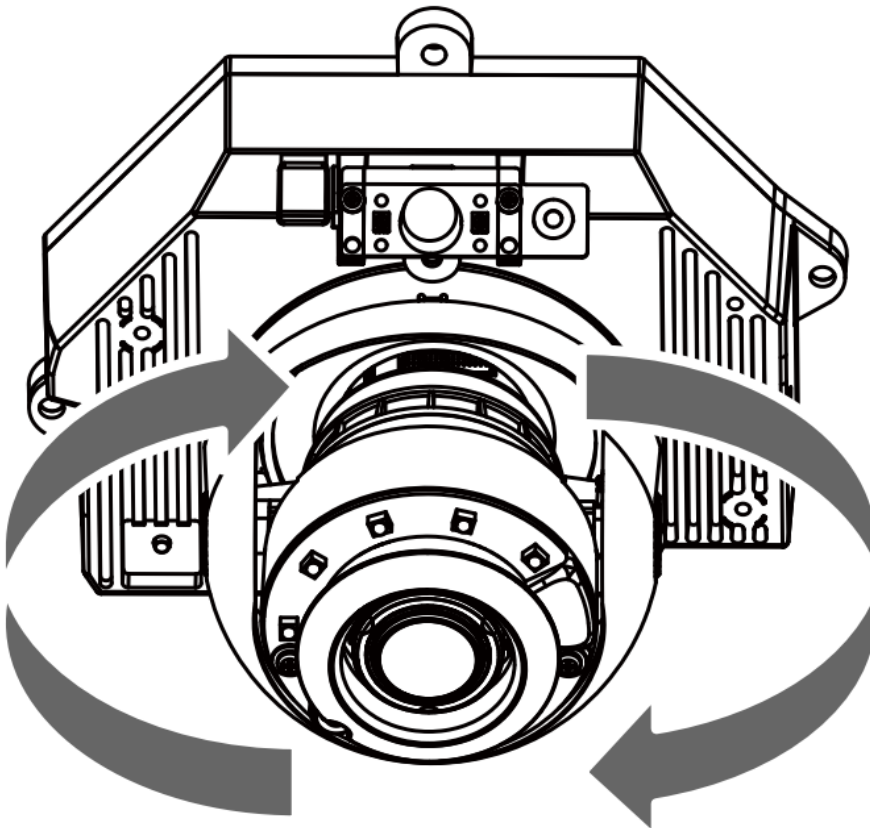
## 3-axis Mechanism Design

Rotate 350°
The sophisticated 3-axis mechanism design offers very flexible, easy hardware installation for either ceiling or wall mount.

## To adjust the zoom factor and focus range

Focus window

1. The camera comes with a motorized vari-focal lens module. With a web console, you can enter the Configuration > Media > Image > Focus page to tune the image zoom and focus.
2. On this page, you can pull the Zoom and Focus pointers, set up a Focus window, and use the **Perform auto focus** button to automatically obtain an optimal focus result. You may also manually fine-tune zoom and focus using the various functional buttons. Please refer to your User Manual for more information.
3. You may also push the Auto Focus button on the camera to obtain the same results especially when you are using camera tester for onsite adjustment.
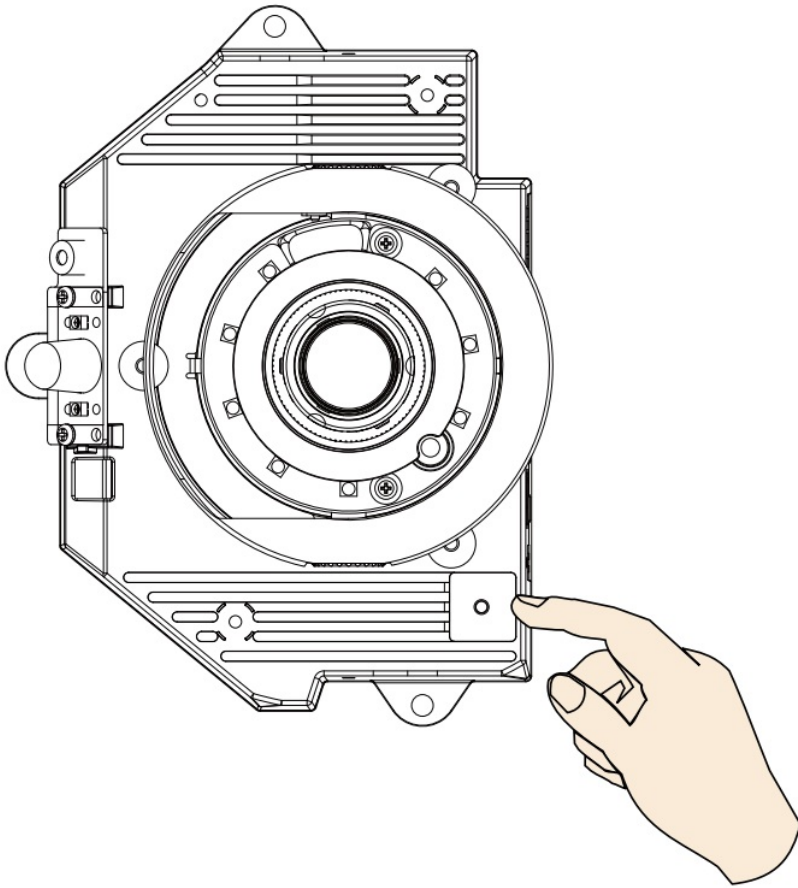
NOTE:

When mounting the camera, you can use the key hole slot at the bottom. The key hole slot helps facilitate installation and a safe mounting.

1. First fasten a pioneer screw to the wall/ceiling. Mount the camera to the screw.

2. Use a pencil to mark the locations of the 3 permanent mounting holes.

3. When cabling and the initial adjustment is done, mount the camera by fastening screws to the 3 mounting holes.

Key Hole Slot

Mounting Holes

Pioneer Screw
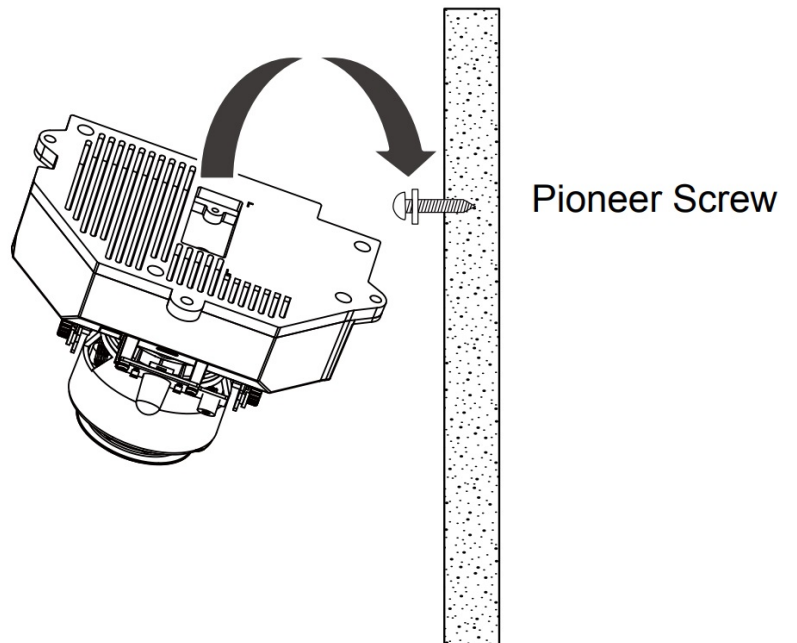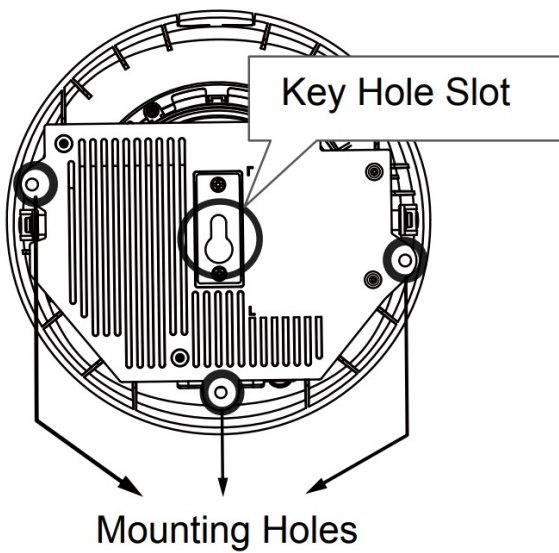
Completion

1. If you choose to feed the cable through the ceiling/wall, arrange the cables neatly through the cable hole A (not shown in the drawing). If you choose to feed the cable from the side, remove plate B.
2. Attach the dome cover to the camera as the direction shown below. Tighten two screws from the sides of the dome cover.
3. Finally, make sure all parts of the camera are securely installed.
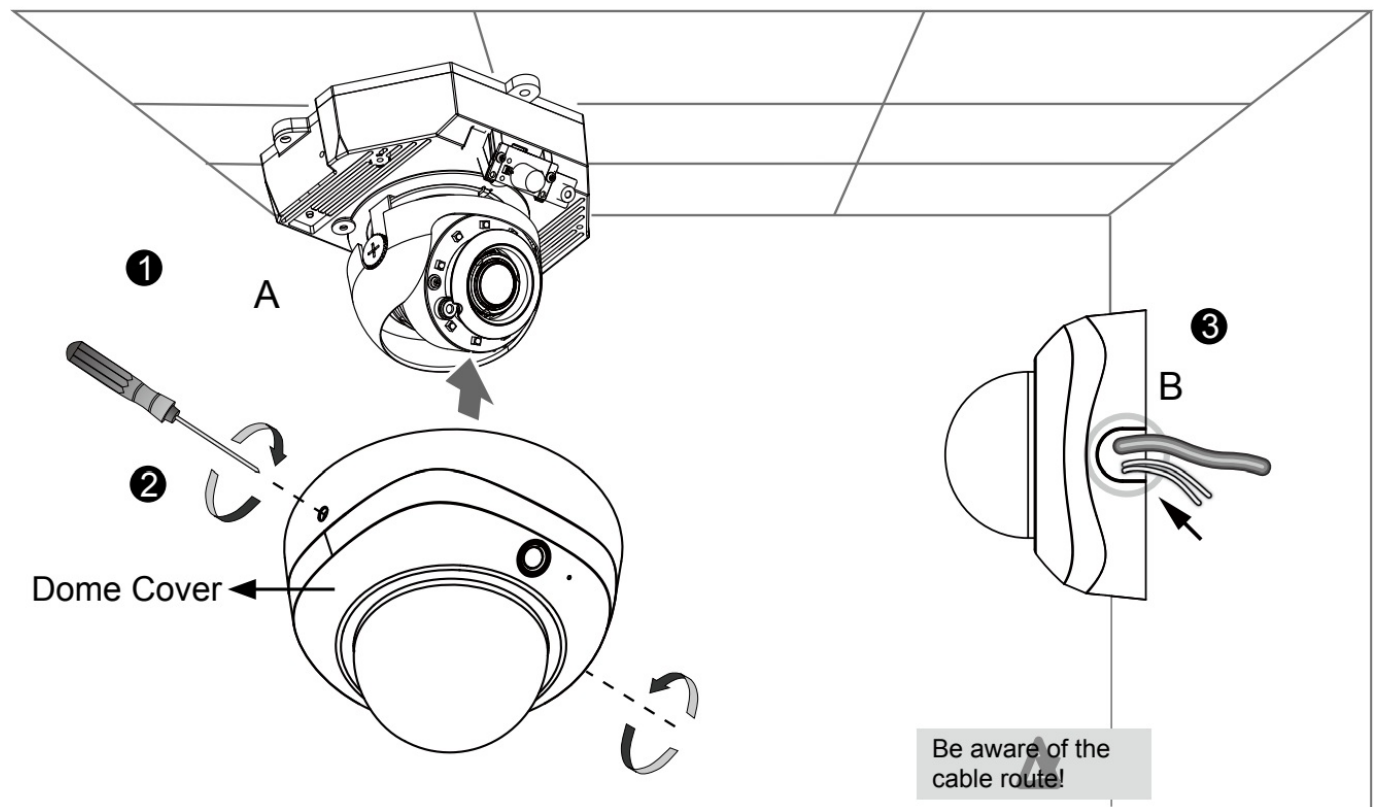
P/N:625020700 Rev.: 1.0 All specifications are subject to change without notice.
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Documents / Resources

VIVOTEK FD8163 Fixed Dome Network Camera [pdf] Instruction Manual
FD8163 Fixed Dome Network Camera, FD8163, Fixed Dome Network Camera, Dome Network Camera, Network Camera, Camera

References

- Ⓜ **Manual-Hub.com - Free PDF manuals!**
- **User Manual**