Brickcom

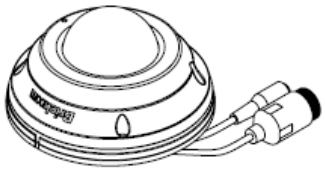
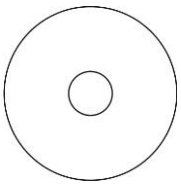
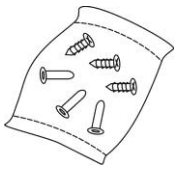
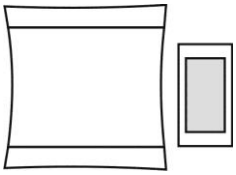
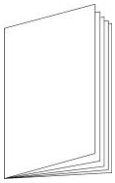
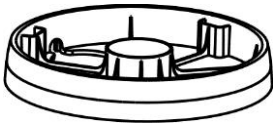
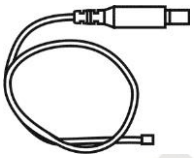
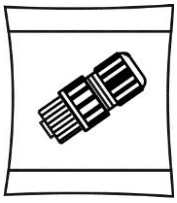
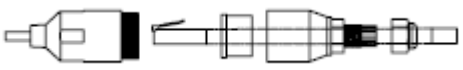
Easy Installation Guide

High Megapixel 360° Panomorph Mini Dome IP Network Camera

MD-500Ap-360P Series

MD-300Np-360P Series

Package Contents

a. Camera 	b. Product CD 
c. Allen Key for The Lens d. Allen Key for The Cover	e. Warranty Card
f. Screw Bags x 2 	g. Dry Bag & Double-Sided Tape 
h. Alignment Sticker	i. Easy Installation Guide 
j. Mounting Adapter 	k. TV-Out Connector Cable (Optional) 
l. M12 Ethernet Connector (for M12 Ethernet Models Only) 	M. Waterproof RJ45 Ethernet Connector (for RJ45 Ethernet Models Only) 

Hardware Installation

Step 1. Check The Product Package

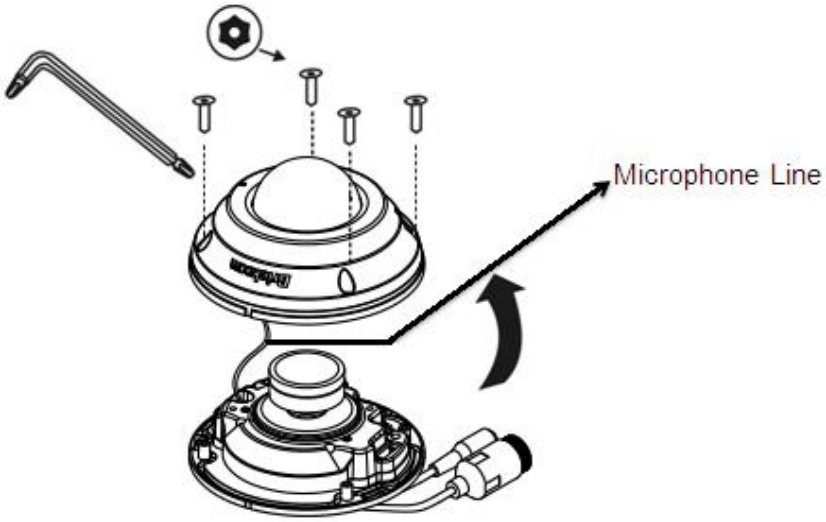
Please make sure that the product package contains all the accessories listed above.

Step 2. Hardware Installation

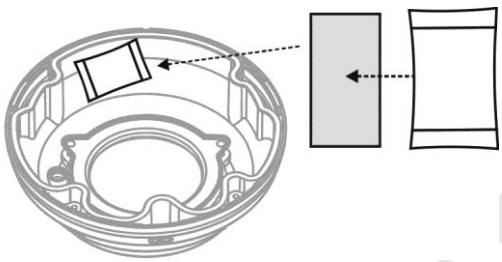
Do not mount the camera on a soft material. The camera may fall and be damaged.

When removing the cover, please be aware of the microphone line.

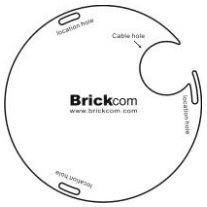
1. Use the enclosed Allen Key to detach the cover from the camera.



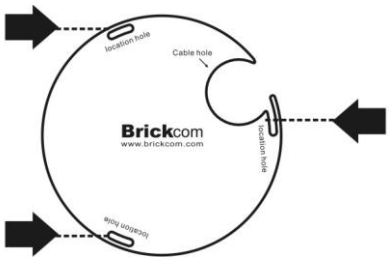
2. Take the dry bag out of its package. Use the double-sided tape to stick the dry bag onto the designated position inside the cover.



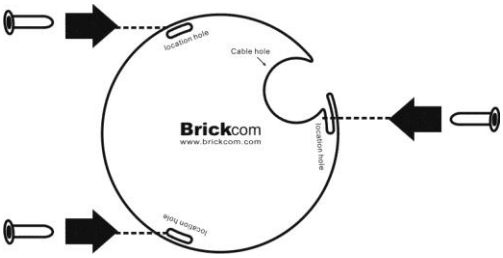
3. Choose the location on the wall or ceiling to place the camera. Attach the location sticker to the desired spot.



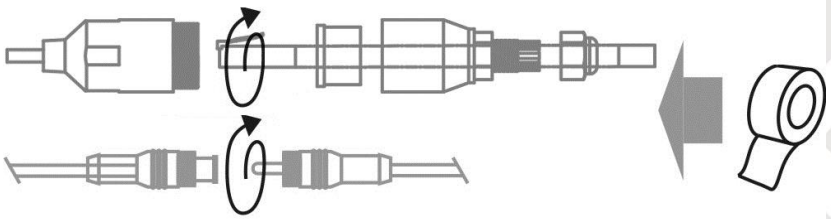
4. Drill three holes through the center of the three location holes on the sticker.



5. Hammer the three plastic anchors which are provided in the product package into the three location holes.

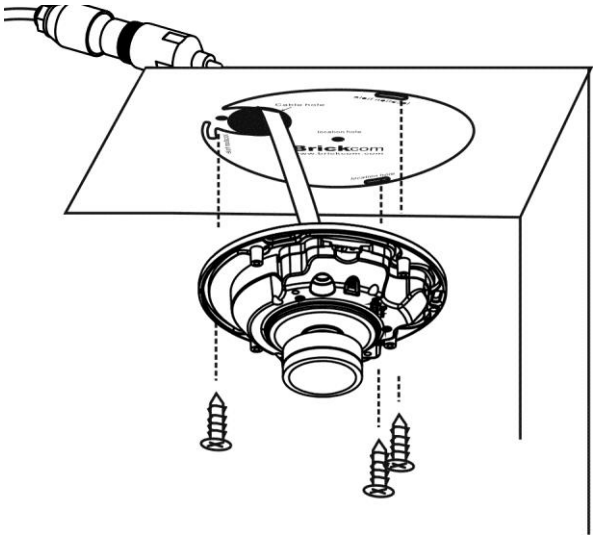


6. It is recommended that the waterproof RJ45 Ethernet connector (for the RJ45 Ethernet models only) be used, and then the waterproof tape be used to wrap around the Ethernet connector and the DC12V connector, in order to prevent water from going into the connectors.

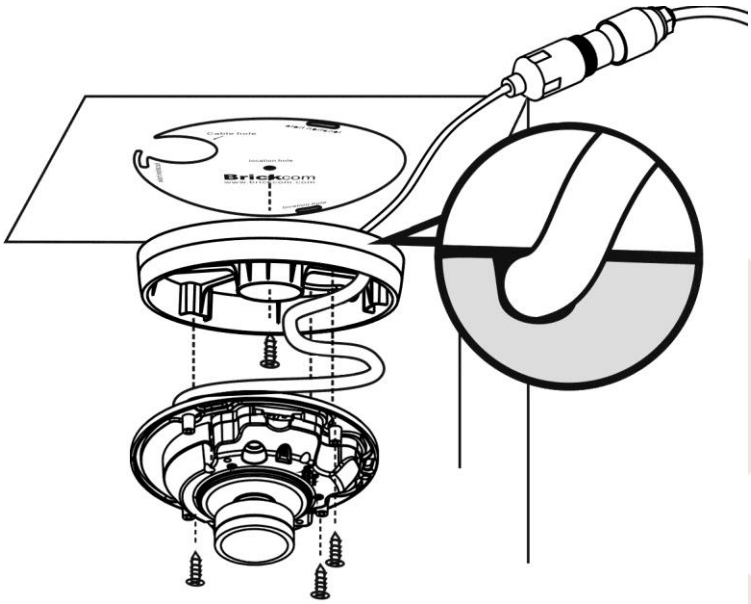


7.

a. If you **don't** use the Mounting Adapter, please use the three **shorter** screws which are included in the product package. Mount the camera on the wall or ceiling and position the three screw slots over the plastic anchors. Insert the screws into the holes and use the screwdriver to tighten the screws clockwise until they are secure.



b. If you **do** use the Mounting Adapter, please use the three **longer** screws which are included in the product package. Mount the camera on the wall or ceiling and position the three screw slots over the plastic anchors. Insert the screws into the holes and use the screwdriver to tighten the screws clockwise until they are secure. You can use one of the remaining screws to fix the Mounting Adapter.

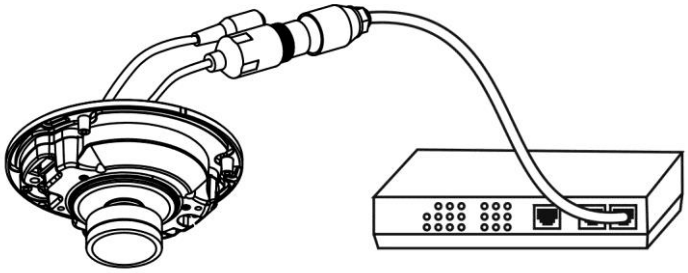


Step 3. Camera Connection

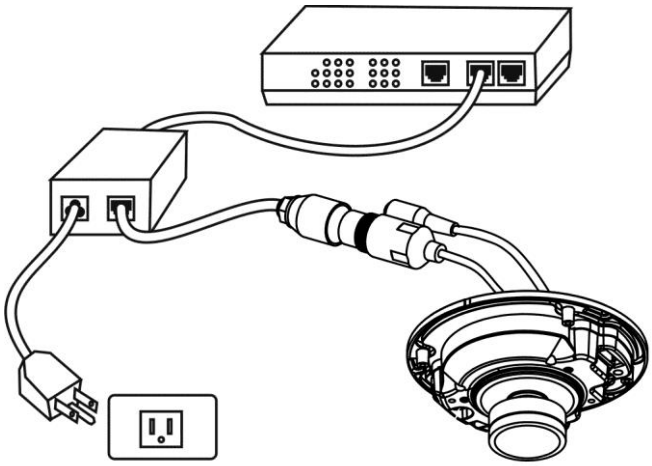
The camera is DC12V and PoE compliant, so there are two options for powering on the camera. The camera can either be connected to a PoE switch or a non-PoE switch.

a. Powering on Camera with PoE Switch:

Use an Ethernet cable to connect the camera to the PoE switch.



b. Powering on Camera with PoE Injector:

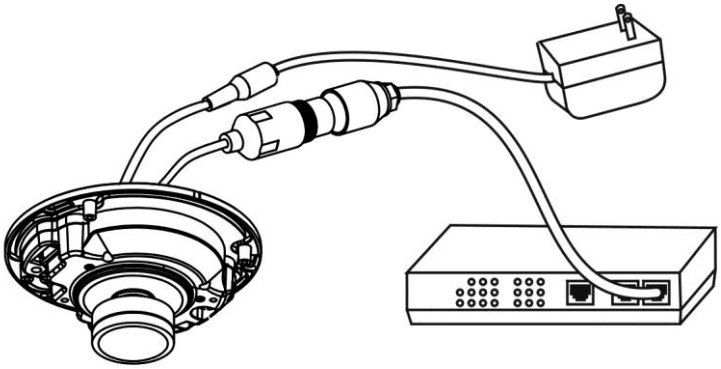


i. Use an Ethernet cable to connect the camera to a PoE Injector.

ii. Use an Ethernet cable to connect the PoE Injector to the non-PoE switch.

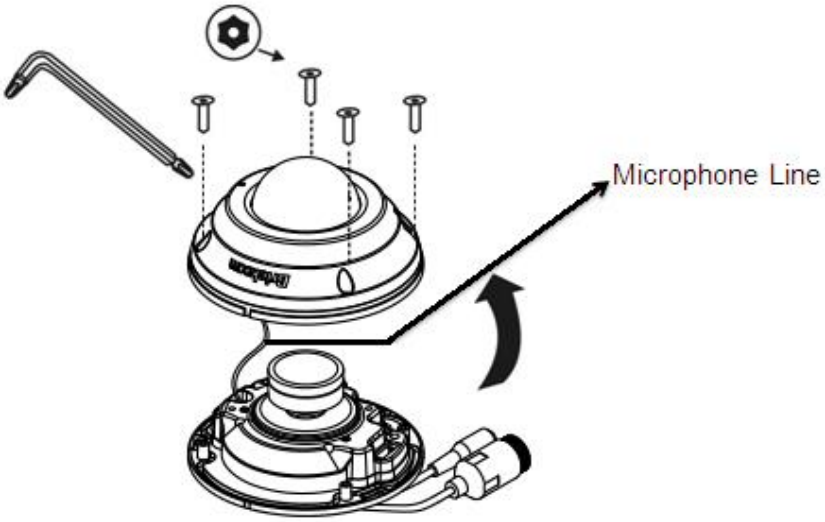
iii. Connect the PoE Injector to a power outlet.

c. Powering on Camera with DC12V 1A Power Adapter. The Ethernet Cable Is Simply for Data.



Step 4. Installation Completed

Put the cover back on the camera and fix it by using the Allen Key.



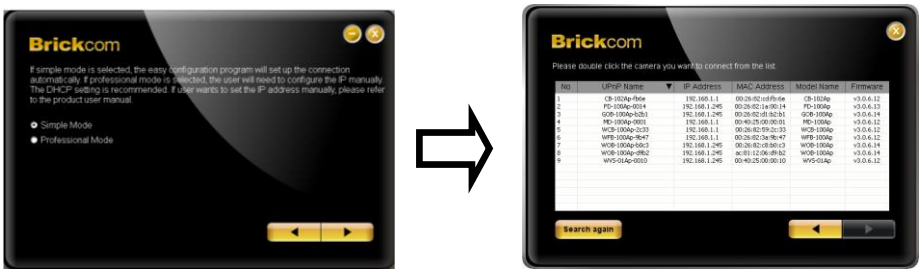
Software Installation

Step 1. Install the EasyConfig Software

Insert the CD into the CD-ROM, and follow the instructions of the InstallShield Wizard. If you have problems with the CD, the EasyConfig software can also be downloaded at the Brickcom web site: http://www.brickcom.com/support/download.php.

Step 2. Launch EasyConfig

Launch the EasyConfig software, and select Simple Mode. Then, choose the desired camera from the survey list to connect.

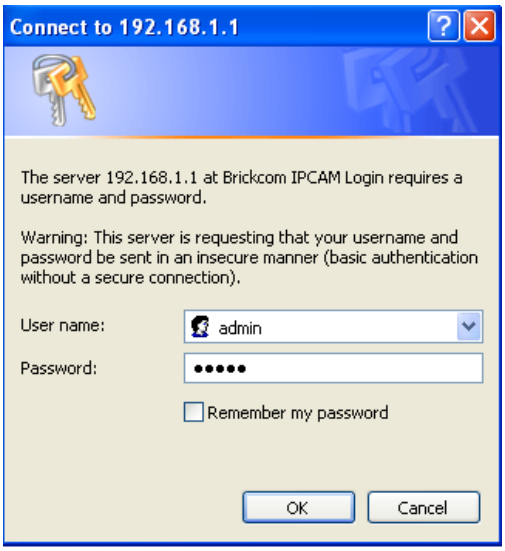


Step 3. Installation Completed

Click Live view to launch the web browser to view the camera.

Step 4. Log in The Camera

Key in the username and password on the log-in window. The default username and password are "**admin**" and "**admin**".



Step 5. Installing the Plug-In

Please click Install to install the plug-in for Internet Explorer.

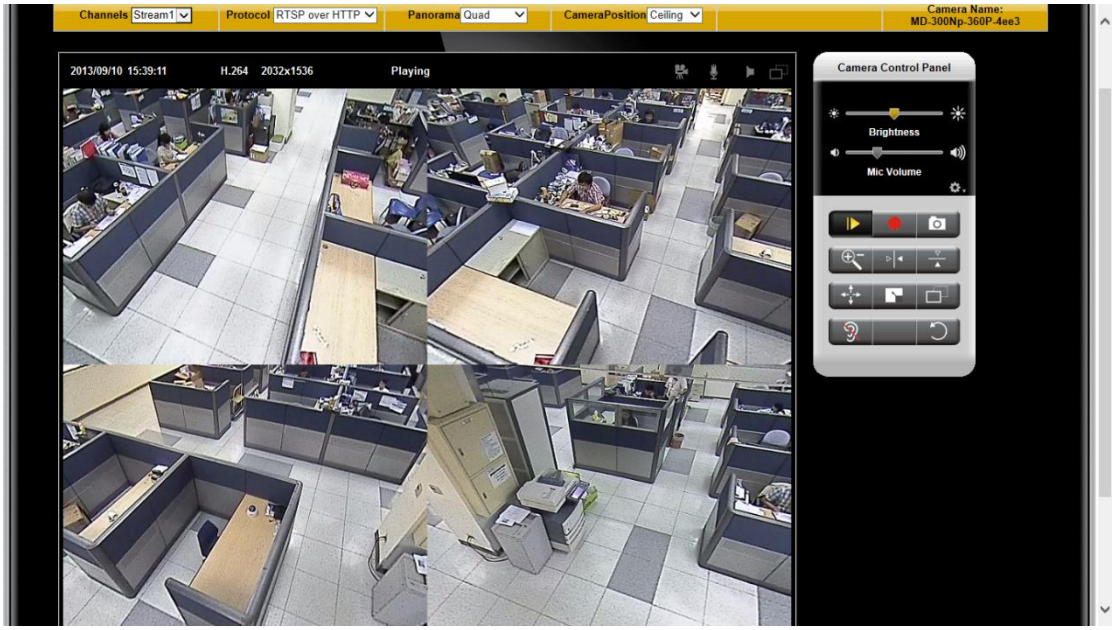
Image Dewarping

This section is going to explain the image dewarping function. The image dewarping function is provided for these cameras on the Live View page with the Internet Explorer.

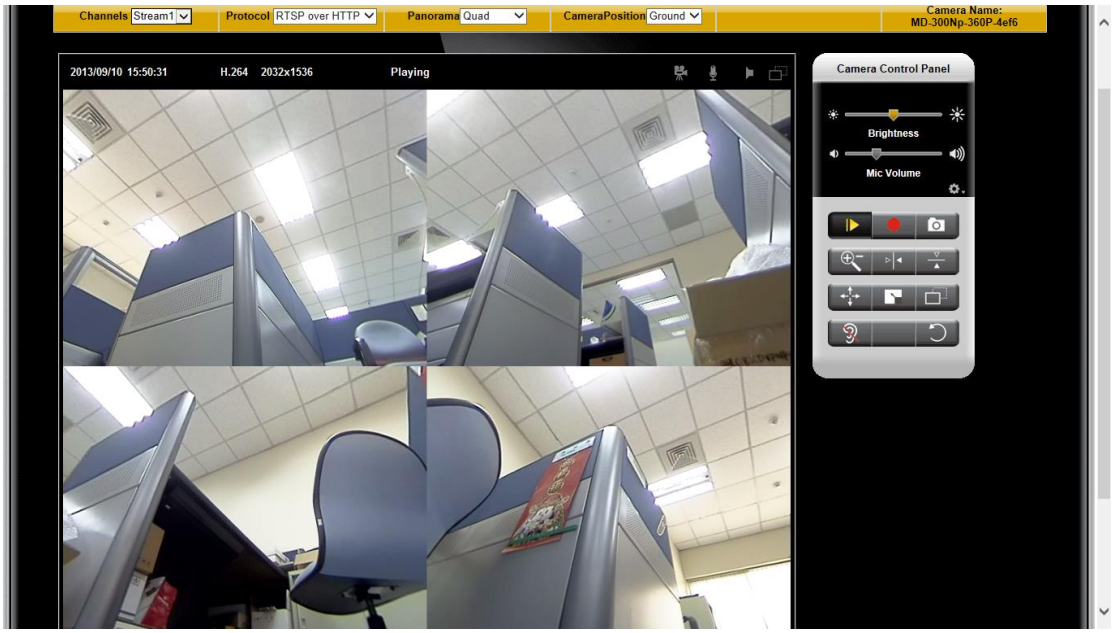
- **Camera Position: Ceiling, Ground, Wall**

The Camera Position list box offers 3 modes which reflect where the camera is installed: Ceiling, Ground, and Wall. Please make sure you select the correct Camera Position value for the best user experience.

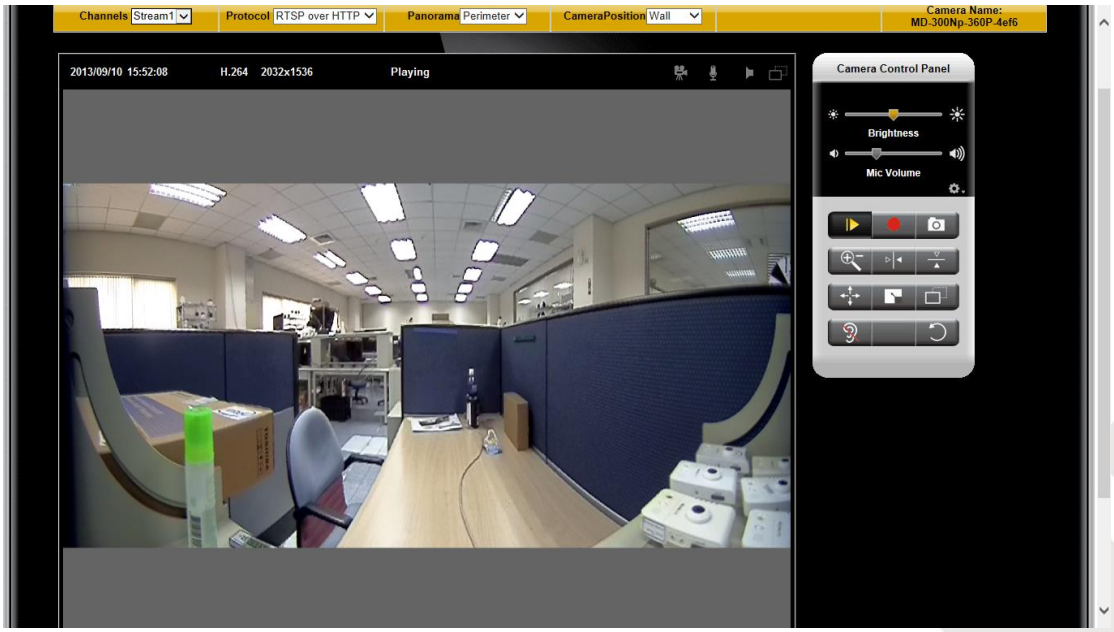
Ceiling – When the camera is fixed on the ceiling, or is installed to shoot in the top-down direction, please choose this mode.



Ground – When the camera is fixed on the ground or table, or is installed to shoot in the bottom-up direction, please choose this mode.



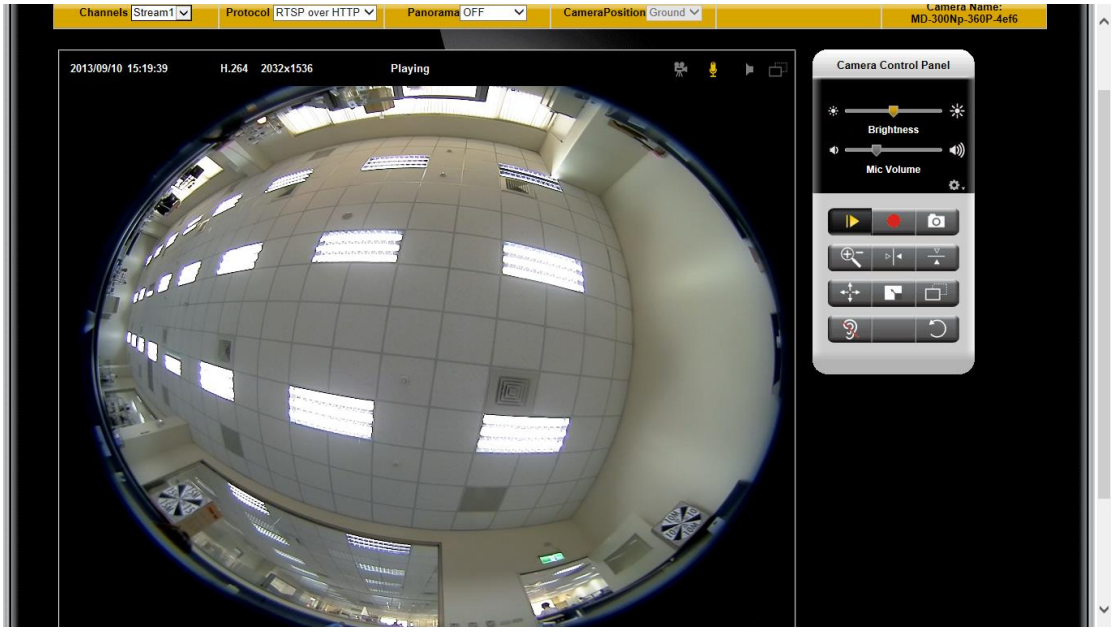
Wall – When the camera is fixed on the wall, or is installed to shoot in the horizontal direction, please choose this mode.



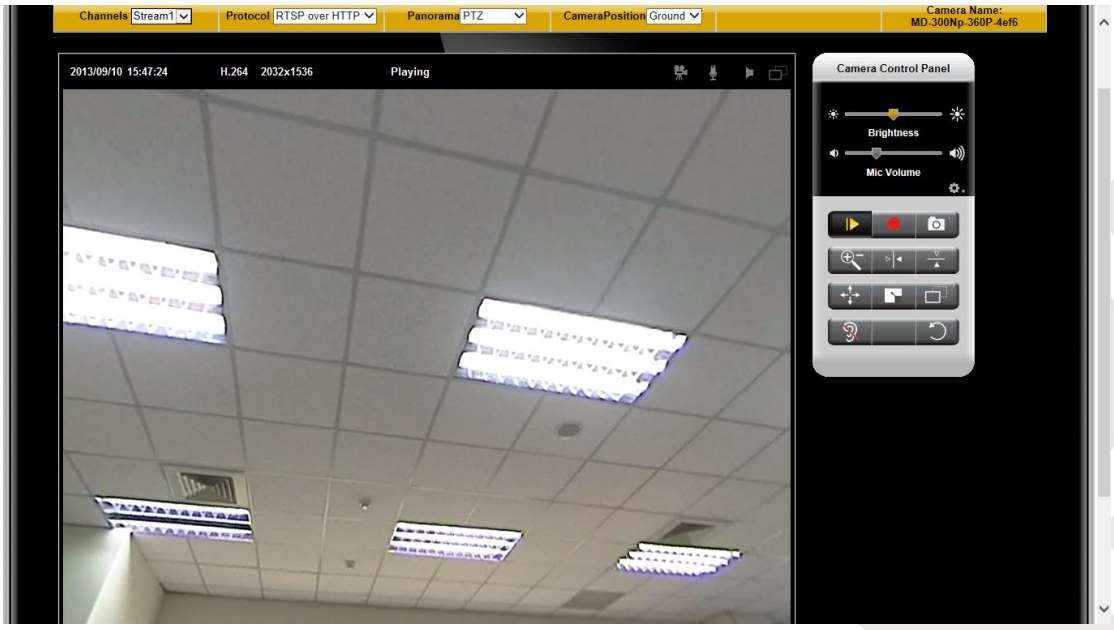
- **Panorama: OFF, PTZ, Quad, Perimeter**

The Panorama list box offers 4 display modes: OFF, PTZ, Quad, and Perimeter. Please select the display mode that best meets your needs.

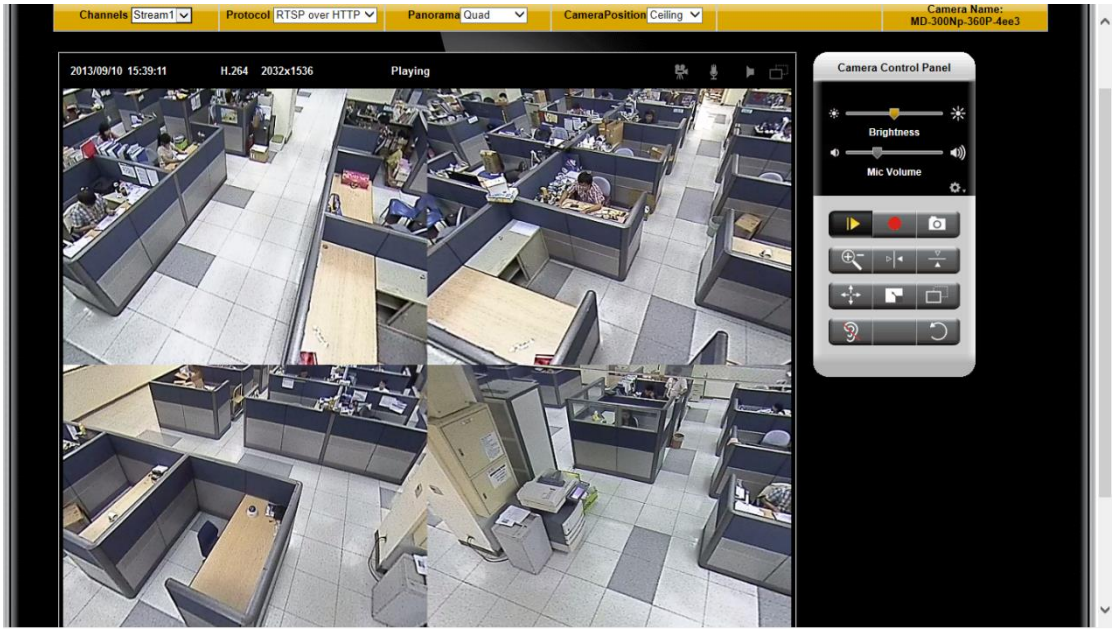
OFF - This is the default display mode, and shows the original elliptical image of the camera.



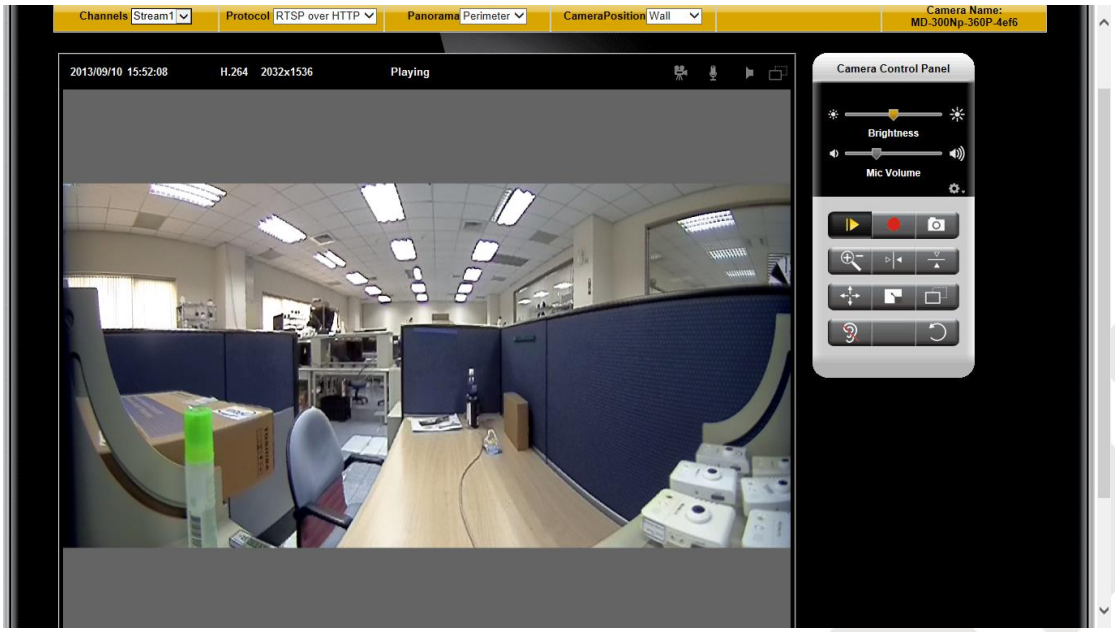
PTZ – This display mode can operate the pan, tilt, and zoom functions via the mouse. Drag the mouse when you want to view in different directions. Scroll the mouse wheel when you want to zoom in and zoom out the view. PTZ is typically used when the camera is installed on the ceiling or ground.



Quad – This display mode shows four separate PTZ windows. Each window can operate the pan, tilt, and zoom functions. Quad is typically used when the camera is installed on the ceiling or ground.

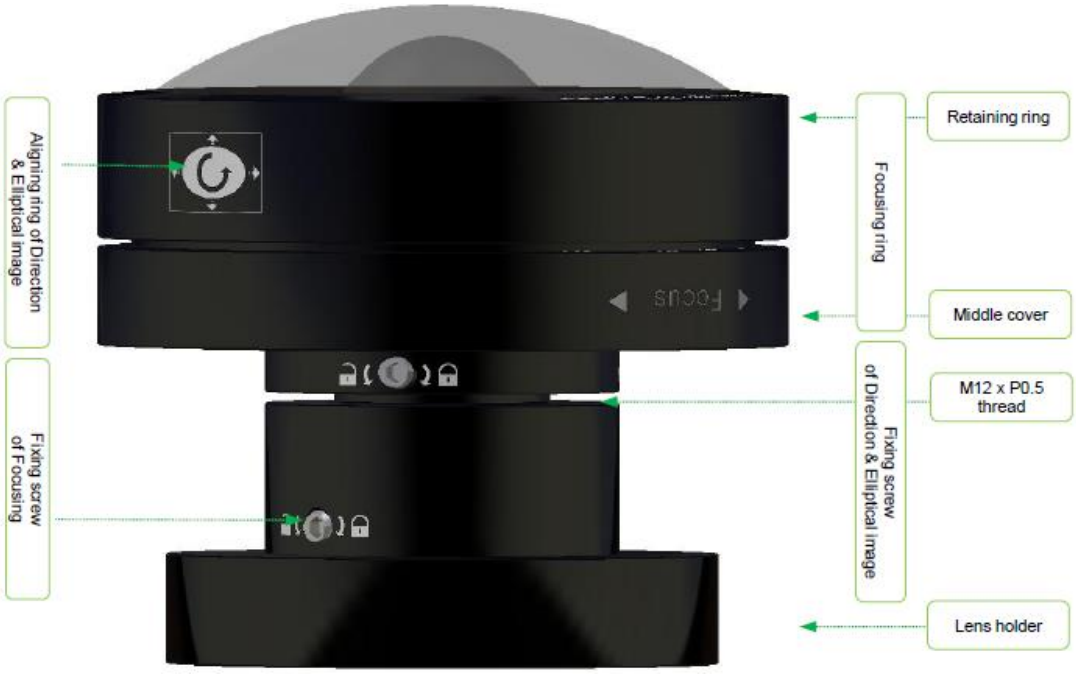


Perimeter – This display mode can dewarp the elliptical image and show the 180-degree view. Perimeter is typically used when the camera is installed on the wall.



Lens Adjustment

The lens is fixed to have a clear view for the objects 3 meters (10 ft.) away in front of the camera. The Allen Key is provided for the user to adjust the lens. Brickcom is not responsible for any issues caused by the user's adjustment to the lens.



Step 1. Remove The Mini Dome Cover

This step applies to the 360P mini dome cameras only. Please use the enclosed Allen Key to detach the mini dome cover from the camera.

When removing the cover, please be aware of the microphone line.

Step 2. Unscrew The Lens

Please slowly unscrew Fixing screws of Direction & Elliptical image. Please be cautious to these tiny screws.

Step 3. Focus Adjustment

Please click “Real Size” on the control panel of the Internet Explorer Live View page before focusing the image. Then, rotate the Focusing ring to get the image in focus.

Step 4. Shape Adjustment

Please click “Full Screen” on the control panel of the Internet Explorer Live View page before adjusting the shape of the image. Then, please hold the Focusing ring, and rotate the Aligning ring of Direction & Elliptical image to get the appropriate elliptical image.

Step 5. Position Adjustment

Please hold the Focusing ring. Then, push and pull the Aligning ring of Direction & Elliptical image to align the image position in the center of the view.

Step 6. Screw Down The Lens

Please do not screw all the way down to avoid changing the image position. First, select one of the screws, and push the Aligning ring of Direction & Elliptical image towards this screw. Then, slowly screw down until the image is in the center of the view. Please do the same thing to the second screw. Finally, please screw down the last screw.

Step 7. Put Back The Mini Dome Cover

This step applies to the 360P mini dome cameras only. Please put the mini dome cover back on the camera, and use the Allen Key to fix the cover.