illustra 600/610 HD Mini-dome

Mounting Installation Guide
Version: 20110819

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1. Precautions

- Do not install and/or operate the product in any place which stores or uses flammable or explosive cargo.

- It is necessary to install and operate the product in strict accordance with the regulations of the country in question as well as local electricity safety regulations.

- You must make sure that the product is powered off during installation and maintenance.

- The power voltage of the indoor dome is AC 24V/DC 12V and the outdoor dome AC 24V. Any direct connection with voltage higher than specified voltage is prohibited.

- Don't operate the product when the environment doesn't accord with its requirements. Please refer to the Installation & Operation Guide of the product for environmental requirements.

- Please be careful during the installation process. Any mistakes such as the pan/tilt module or the mount cap falling to the ground may result in major damage.
2. Before You Start

2.1 Preparing for installation

- Requirements for installation and maintenance personnel:
  All the installation and maintenance work related to the product must be conducted by technical personnel who have the necessary qualifications.

- Please refer to this manual for further details.

2.2 Basic requirements

- All electrical work must observe the latest local electricity laws and fireproof regulations as well as related laws and regulations.

- Check if everything is included in the box as stated on the packing list. Ensure the installation site and method of installation for the dome coincides with the requirements demanded by the product. If not, please contact your supplier.

- Please operate the product according to the requirements given for its conditions of operation.

- Please handle the pan/tilt module carefully and do not put pressure on the various structural parts. The lower cover (down cover) belongs to the primary optical portion, so please do not touch it. Please do not power on the dome except during the electrical inspection in the process of installation.

2.3 Ensure the strength of the supporting structure at the installation point

- Ensure you have enough space to hold the product and its parts at the installation point.

- Ensure the bearing capacity of the ceiling, wall, and bracket of the dome support the gross weight of the dome and the structural parts installed. It is necessary to have a safety coefficient of 4 times or above.

2.4 Keep all the original package materials of the dome

Please keep the dome’s original packing material after opening the packing. If problems occur and a repair is required, you can return the dome in the original package material to the agent, or return it to the factory of manufacture. Damage may occur to the dome during transport if it is not placed in its original packing materials.
2.5 Brief introduction to the methods of mounting

There are three mounting methods for the dome: the **Flush** mount, **Hard Surface (Wall)** mount and **Gooseneck Arm** mount.

- **The Flush mount:**
  This kind of mount is installed in the pendant ceiling. Cut a hole in the ceiling, place the dome inside it, and switch it on. The dome’s shape means that it looks like just another light, providing added hidden security.

- **The Hard Surface (Wall) mount and Gooseneck Arm mount.**
  The mount location must be able to bear four times the weight of the dome mounting bracket and mounting base combined.
  The ceiling/wall mount site must be stable without any detachable parts. Ensure the bracket is mounted in the ceiling/wall itself, and not in a non-surface object.
3. Mount Installation Instructions

3.1 Flush Mount Installation (Outdoor Dome)

Accessories

Fixing bracket  Guide pattern template  Fixing plate  M4 screw x 4

Procedures (taking the IR dome as an example)

Preparation
Disassemble the dome cover, camera liner and back case of the camera.

Step 1
Use the guide pattern template to mark-out the mounting area. Create a circular opening in the mounting surface with a diameter of 221mm~225mm (8.7”~8.8”).

Since ceilings are made of materials varying from case to case, you must choose a tool and a method which are suitable for cutting a hole in the particular ceiling where the camera will be placed.
3. Mount Installation Instructions

**Step 2**
Attach the fixing bracket and the back case with the four **M4** screws.

**Step 3**
Feed the wiring through the top conduit hole of the back case.

Use a screwdriver to rotate the screws on both sides of the fixing bracket until the locking arms, firstly splay out, and then tighten against the mounting surface.

**Step 4**
Connect the cables to the camera and tighten the screws from the dome base to the back case.

**Step 5**
Adjust the monitoring position of the camera.
3. Mount Installation Instructions

**Step 6**
Assemble the liner and dome cover with the camera base.

Use the supplied security torx key to tighten the three cover screws to replace the dome cover.

**Step 7**
Attach the plate to the adapter with the two M4 screws.

**Safety notice:** When used with the Flush Mount Accessory and removing the gasket from the top of the Back Case, the outdoor camera models are rated as suitable for use in environmental air handling spaces, other than inside ducts or furnace plenums.
3.2 Wall Mount Installation (Indoor/Outdoor Dome)

Accessories

Part A: Assemble the Wall Mount Case (if not yet assembled)

Step 1
Screw the two standoff screws to the adapter.

Step 2
Screw the adapter to the wall mount case with the three M3 screws.

Step 3
Screw the trim plate to the wall mount case with the four M2 screws.
Part B: Wall Mount Procedures (taking the indoor IR dome as an example)

**Preparation**
Disassemble the dome cover, camera liner (non-IR) and back case of the camera.

**Step 1**
Fix the waterproof washer to the wall mount case.

**Step 2**
Arrange the cable and plug it into the dome.
**Note 1:**

To add a new cable entry hole on the other side, please see the figure below.

1. Remove the metal circle to access the hole.
2. Complete the wiring step.
3. Then install the washer.

**Note 2:**

The waterproof rubber seal installation notice (taking the network cable as an example).

**Step 3**

Screw the wall mount case to the wall with the four anchors and tapping screws.
3. Mount Installation Instructions

Step 4
Screw the camera back case to the wall mount case with the four M4 screws.

Step 5
Screw the camera base to the back case with three screws (use the red dots on the camera and back case for alignment).

Adjust the monitoring direction of the camera.

Assemble the liner (non-IR) and cover with the camera base. Use the supplied security torx key to tighten the three cover screws to replace the dome cover.

The installed mount is seen as the figure opposite.
3.3 Gooseneck Arm Mount Installation (Indoor/Outdoor Dome)

Accessories

Mount Cap  Gooseneck Bracket  Anchor x4, Tapping screw x4  M4 Screw x4

Procedures (taking the Outdoor IR dome as an example)

Preparation
Disassemble the dome cover, camera liner (non-IR) and back case of the camera.

Step 1
Rotate the mount cap into the gooseneck bracket.

Step 2
Fix the gooseneck bracket to the wall with the four anchors and tapping screws.
3. Mount Installation Instructions

Step 3
Screw the camera back case to the mount cap with the four M4 screws.

Step 4
Screw the camera base to the back case with three screws (use the red dots on the camera and back case for alignment).

Adjust the monitoring direction of the camera.

Assemble the liner (non-IR) and cover with the camera base. Use the supplied security torx key to tighten the three cover screws to replace the dome cover.

The installed mount is seen as the figure opposite.