

TechTip V1020 - Installing an IQeye Alliance Dome Using the Wall Mount Adapter

Applies to:

IQeye Alliance Dome camera line with optional wall mount adapter

Summary:

Proper installation procedure for mounting an Alliance Dome using the wall mount adapter (part # IQA-WM).

Contents:

- Wall mount assembly package contents
- Installation
- Finalizing Installation

Unpacking

Your Alliance Wall Mount Assembly should include the following:

1. Alliance wall mount
2. Weather gasket
3. Mounting hardware
4. Mounting template



Note: This tech tip describes how to properly install the IQeye Alliance Wall Mount adapter. All installations should be performed only by qualified service personnel and in accordance with local, state and national code(s).

Installation

The Alliance wall mount is designed for indoor or outdoor installations with either the standard indoor mounting plate, or with the Alliance outdoor back box.

Use the supplied template to mark the necessary hole locations on the intended mounting surface.

If mounting into masonry or other hard surface, it is recommended to drill appropriately sized pilot holes prior to inserting the wall anchors. If mounting into drywall, simply use the included drywall anchors (no pre-drilling required).

Note: You may find it easier to drill the necessary holes to run cables prior to installing the wall mount adapter. The wall mount adapter allows cables to be run from the wall side through the cable shroud (exterior Alliance back box only), or from above the wall mount unit.

Line up the mounting holes on the wall mount adapter with the embedded anchors. Insert and tighten screws through wall mount adapter and into screw anchors.

When attaching an indoor Alliance to the wall mount:

Attach the indoor mounting plate to the corresponding threaded holes on the wall mount unit using the supplied hardware. Feed the cables from the Alliance camera through the mounting plate and wall mount center hole. Skip to the 'Final Installation' section of this Tech Tip.

When attaching an outdoor Alliance back box to the wall mount:

When positioning the gasket, use a generous amount of silicone or equivalent sealer between the supplied gasket and wall mount to ensure a good seal.

There are two 3/4" conduit holes to run cables into to the exterior Alliance: on the side and top of the back box (when camera is mounted with the dome bubble down).

- If using the side conduit hole:
Feed the cables from the wall side through the cable shroud of the wall mount.
- If using the top conduit hole in conjunction with a threaded conduit pipe (not included):
Feed the cables through the conduit pipe, the top wall mount center hole, and weatherized gasket. Thread the conduit pipe into the Alliance back box ensuring no cables are kinked or bent.



Connect the Alliance back box to the wall mount adapter using the supplied hardware. Feed the cables into the back box using the appropriate conduit hole, ensuring the conduit plug is installed in the unused hole.

IQinVision recommends using silicone to ensure a weatherized seal around the conduit pipe, top mounting holes, and conduit plug set screw hole.



Finalizing Installation

Make any cabling connections between the Alliance camera and cables from the wall/ceiling side.

Snap the Alliance camera unit into either the indoor mounting plate or exterior back box by lining up one of the Alliance's three mounting tabs in the retaining channel and then snapping the remaining two tabs in.

After adjusting camera position, field of view and focus, attach the dome bubble to the mounting plate or back box by tightening the four Torx screws that are captively held in the dome bubble/trim ring assembly.

