

TechTip V1019 - Installing an IQeye Exterior Alliance Dome

Applies to:

IQeye Exterior Alliance Dome

Summary:

Proper installation procedure for mounting an IQeye Exterior Alliance Dome (part # IQAxxSE or IQAE-BOX).

Contents:

- Exterior Alliance Dome package contents
- Installation
- Finalizing Installation



Unpacking:

Your Alliance outdoor assembly package should include the following:

1. Alliance exterior back box
2. 3/4" NPT plug
3. Weather gasket
4. Mounting hardware
5. Mounting template

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

Installation

The Alliance exterior back box is intended to be mounted in one of the following configurations:

- Surface mounted to masonry or other durable surface wall, ceiling or overhang.
- Mounted to the IQeye Alliance wall mount adapter (See the tech tip for Installing an IQeye Alliance Dome Using the Wall Mount Adapter).
- Used in conjunction with a 3/4" NPT threaded conduit pipe (not included) in a pendant mount solution.

The outdoor back box will replace the standard indoor mounting plate, which will therefore not be needed for these types of installations.

Surface mounting to masonry or other durable surface:

Use the supplied template to mark the holes being used for mounting your back box to the surface. If it is necessary to use the supplied wall screw anchors, pre-drill the necessary holes and insert anchors.

Place the weather gasket between the back box and mounting surface. Mount the back box to the surface using the supplied hardware. If mounting directly to a 4S-type electrical box, ensure that the Alliance back box holes line up properly.

Pull any cabling from the wall/ceiling into the back box by using either of the 3/4" threaded conduit holes. Remove and reinstall the conduit plug to unused hole if necessary.

When possible, use a bead of silicone or equivalent around the base of the back box to ensure a weatherized seal with the wall/ceiling, as well as sealing the conduit plug set screw hole.

Pendant mounting:

Pass any cabling through the conduit pipe and 3/4" threaded NPT hole on the rear (top when pendant mounted) of the back box.

Attach the back box to the conduit pipe paying careful attention to not crimp or pinch any of the cables. Use silicone or equivalent on the threads to ensure the camera does not become unthreaded from the pipe.

Note: *When pendant mounting your Alliance outdoors, you must use silicone to seal all unused mounting holes on the base of the back box, as well as sealing the 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 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 back box by tightening the four Torx screws that are captively held in the dome bubble/trim ring assembly.

