

# RECESSED CEILING INSTALLATION KIT FOR THE IN-CEILING™ HALF-RECESSED ENCLOSURE

For drywall or hard ceiling applications - fits the Vaddio™ ClearVIEW™ PowerVIEW™ and RoboSHOT™ HD PTZ Cameras

Part Number: 998-2225-051

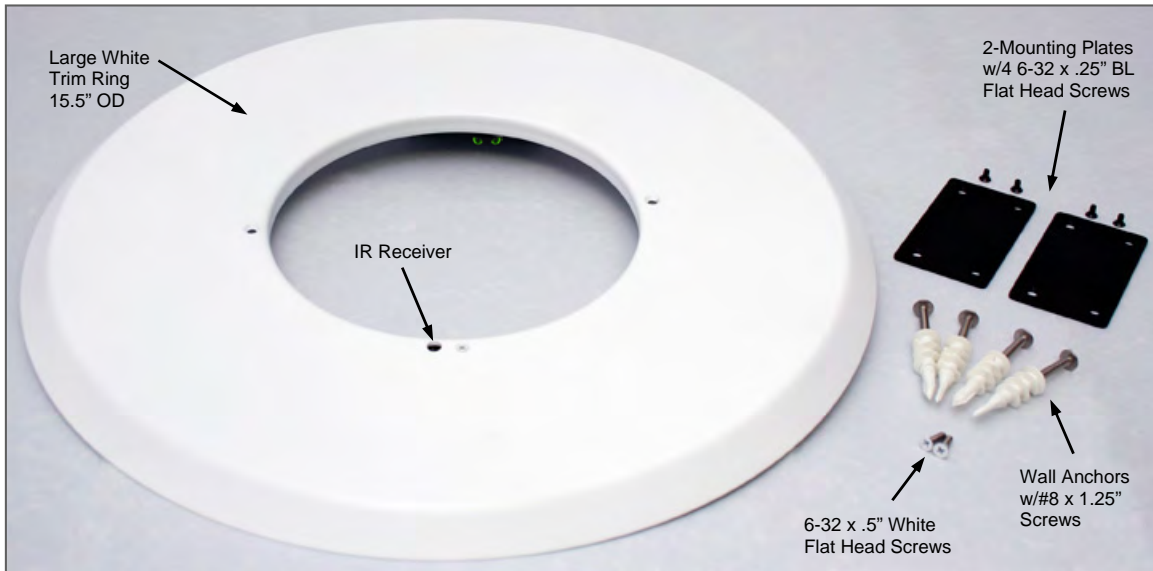


Image: Recessed Ceiling Installation Kit with Call-outs

## Overview:

The Vaddio Recessed Ceiling Installation Kit for the IN-Ceiling Half-Recessed Enclosure was designed to provide integrators with an easy to install solution for mounting Vaddio ClearVIEW HD-20, HD-19 and HD-18 Pan/Tilt/Zoom Cameras into gypsum board or hard ceiling applications. The kit allows the integrator to install the enclosure from below the ceiling and have a trim ring large enough to cover the entire back box enclosure. Please use this manual along with the manual, Document Number 342-0177, to install the enclosure into a recessed, hard ceiling application.

## The 998-2225-051 Recessed Ceiling Installation Kit includes:

- One (1) Large Trim Ring (15.5" / 393.7mm OD) with IR Receiver Board Attached
- Two (2) 6-32 x .5" White Flat Head Screws for Trim Ring
- Two (2) Mounting Plates (when attached to enclosure, acts as mounting flanges)
- Four (4) 6-32 x .25" Black Flat Head Screws (to attach the Mounting Plates to enclosure)
- Four (4) Spiral Wall Anchors
- Four (4) #8 x 1.25" Sheet Metal Screws for Wall Anchors

## Installation Notes:

- Before starting the installation of the enclosure and camera, check above the ceiling where the camera is to be installed to verify the area is clear of obstructions and confirm that there is adequate room for the camera enclosure.
- All above-ceiling work must conform to local building codes and should be performed by qualified personnel. There is a clamp down 3/4" conduit connector on the side back box that can be switched out to an EMT type connector to seal the box for areas that have building codes that require conduit for all cabling.
- Before cutting any hole in any ceiling, always measure twice and then check your work, then cut once. Sometimes, it's just better to have the building contractor involved with cutting holes in the ceiling.

**STEP-BY-STEP Installation Instructions:**

**Step 1:** For the most seriously obvious reasons, a ladder is required to install the IN-Ceiling Half-Recessed Enclosure and Vaddio PTZ camera into a ceiling. Safety comes first, so please use safe tools, ladders and installation practices (and keep the dogs off the ladder too).



Choose the location where the enclosure and camera are to be installed. Make sure that it is not too close to a wall or ceiling fixture or lighting fixture that will serve to interfere with proper operation of the trim ring, camera lens or iris. Mark the optimum location on the ceiling of both the back box (for the hole cut-out) and the trim ring.

**Step 2:** The back box of the IN-Ceiling Half Recessed Enclosure is not symmetrical. It is 8" (203.2mm) wide x 12" (304.8mm) long. Take care in positioning the front camera back box to optimize the performance and viewing angles of the PTZ camera. An opening in the ceiling should be cut to the following dimension: 8.25" (209.55mm) W x 12.25" (311.15mm) L.

**Step 3:** After the hole in the ceiling is cut, pull the Cat-5e cables through the opening and connect the camera as directed in the manual for the enclosure in Document Number 342-0177.

**Step 4:** Attach the mounting plates with the provided 6-32 x .25" black flat head screws and dry fit the enclosure into the opening. Push the conduit end in first and lift it into the opening. Mark the position of the wall anchors on the ceiling through the mounting plates. The mounting plate on the conduit connector (rear) side of the enclosure may have to be attached after the enclosure is lifted into the ceiling (depending on ceiling thickness and structure). For some installations, the conduit connector may have to be removed altogether - in this case, make sure that the building codes permit the connector removal and provide proper strain relief for the cables.



Remove the enclosure and install the spiral wall anchors or any other drywall anchor, like a toggle bolt (not supplied) of the integrator's choice or preference.

**Step 5:** Before attaching the enclosure to the ceiling, it is probably a good idea to test the camera for video and PTZ control. Plug the large trim ring into the IR cable and apply power to the Quick-Connect SR, Quick-Connect USB or the Quick-Connect DVI/HDMI-SR Interface according to the Document 342-0177. With the IR Remote, turn on the camera, check the video outputs on the Quick-Connect and move (pan, tilt and zoom) the camera. Unplug the trim ring and drop the power to the Quick-Connect.

**Step 6:** After the camera has been tested and the wall anchors are installed, lift the enclosure into the opening, tuck the cabling in first, and secure the enclosure to the ceiling. Plug in and attach the trim ring with the white screws

**Step 7:** Continue the installation according to Document 342-0177.

**Always a Better Way...**

Quite often, there are better methods of installation than described herein. An integrator may want the extra security of toggle bolts on the gypsum board ceiling or additional bracing for the enclosure. Please feel free to improve your installation in any way possible and always keep in mind that safety comes first.

Please see the Vaddio website at [support.vaddio.com](http://support.vaddio.com) for the Vaddio Statement of Warranty for all Vaddio Products.