

IN-WALL™ RECESSED CAMERA MOUNTING SYSTEMS

Recessed Camera Mounting Systems for Sony®, Polycom® EagleEye®, LifeSize®, TANDBERG® PrecisionHD® PTZ Cameras and Vaddio™ EZ Camera™ Interface Module Cable System Packages



Figure 1: IN-Wall Systems (clockwise, left to right), Sony BRC-H700, EVI-D70, TANDBERG Precision HD, LifeSize, Sony BRC-Z700, Polycom EagleEye, Sony EVI-HD1 and Sony BRC-300

OVERVIEW:

The Vaddio IN-Wall camera mounting systems are an attractive way to mount PTZ cameras on a wall where room aesthetics are critical. These mounting systems use the depth of the wall cavity to recess the camera into the wall, minimizing the camera’s extension into the room and providing a more finished look to the installation. Cameras from Sony (BRC-H700, BRC-Z700, BRC-300, EVI-D70 and EVI-HD1), TANDBERG (Precision HD), Polycom (EagleEye and EagleEye 1080 HD) and LifeSize were selected and the camera enclosures were carefully designed and sized to fit the Vaddio EZCamera Interface Module (EZIM) in the back of the box to enable use of the Vaddio Quick-Connect CCU and PRO CAT-5 cabling systems for applicable cameras (see below). For the EVI-D70, the Vaddio EZ Camera Shoe can be attached to the back of the camera. Each system consists of an in-wall mounting box and face frame which are both powder coated white, but can be painted to match any décor.

IN-Wall Enclosure Supported Cameras and Part Numbers

Part Number	Compatible Camera Systems
999-2225-012	Sony EVI-D70 , Vaddio WallVIEW 70 System
999-2225-013	Sony BRC-300, Vaddio WallVIEW CCU or PRO 300 PTZ System
999-2225-014	Sony EVI-HD1, Vaddio WallVIEW CCU or PRO HD1 PTZ System, WallVIEW EagleEye 1080 HD and Polycom EagleEye 1080 HD
999-2225-015	Vaddio WallVIEW PRO EagleEye, Polycom EagleEye, TANDBERG Precision HD and LifeSize
999-2225-016	Sony BRC-H700, Vaddio WallVIEW CCU or PRO H700 PTZ System
999-2225-017	Sony BRC-Z700, Vaddio WallVIEW CCU or PRO Z700 PTZ System

UNPACKING:

Carefully remove the product and all of the parts from the packaging and identify the following parts:

- Back Box Enclosure
 - Camera Platform
 - Face Frame
 - Mounting Hardware
 - Documentation
- (Camera Not Included)*

Deep Back Box Enclosure

The 3-15/16" deep metal wall box uses the maximum depth of a standard 2" x 4" framed wall cavity, with 1/2" drywall covering the wall and minimizes the camera's protrusion into the room. The extra depth accommodates the Vaddio EZIM for use with Cat. 5 cabling, or the EZ Camera Shoe for the EVI-D70. Each Enclosure is outfitted with three (3) conduit knockouts (2-sides, 1-top) for flexibility, along with a cable pass-through in the base of the platform for standard camera cabling.

Before Installing

When locating the IN-Wall enclosure, consider viewing angles, lighting conditions, possible line of site obstructions and check for in-wall obstructions where the camera is to be mounted. Pick a mounting location to optimize the performance of the camera. Read the step-by-step instructions fully before starting the installation.

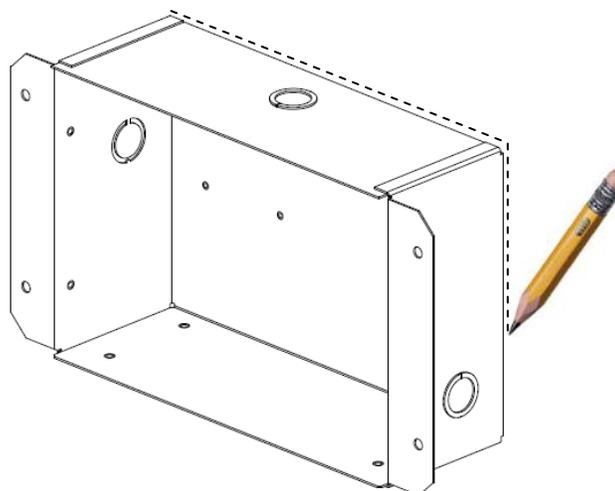
INSTALLATION INSTRUCTIONS:

- 1) Position the back box enclosure against the wall, level the box and trace the outline of the box on the wall with a pencil.

Figure 2:

Use a level to position the enclosure and trace a line around the back of the enclosure once the box is level.

Cut this area out only after verifying that no studs or obstructions exist behind the drywall.



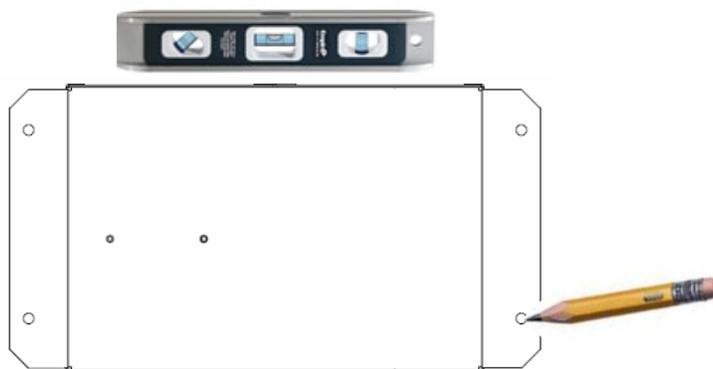
- 2) **IMPORTANT:** Prior to cutting the drywall, check for studs, conduits or obstructions that could interfere with the installation. After verification, cut out the area marked on the wall with a drywall saw.
- 3) Cabling should be routed at this time. Decide which conduit knock-out will be used on the IN-Wall enclosure and carefully remove it.
- 4) Place the enclosure into the wall opening for a dry fit and mark the four holes for the spiral wall anchors through the mounting flanges. The integrator can use any wall anchor of their choice or use the supplied wall anchors.

Figure 3:

With the box in the opening, mark the four locations for the wall anchors.

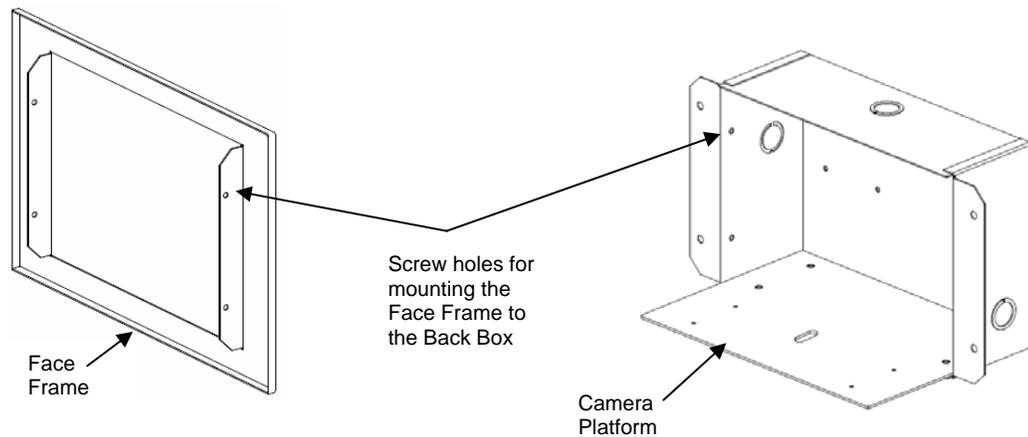
Remove the box and install the wall anchors - reinstall the box pulling the cables through the conduit opening.

Check for a level enclosure and adjust the opening as needed.



INSTALLATION (continued):

- 5) Remove the box from the wall and install the wall anchors.
- 6) Pull the cabling through the conduit knock-out and push the back box back into the opening. Be sure to leave enough slack in the cable to enable termination and the freedom to push the cable back into the wall cavity when the camera is attached to the platform. Fasten the enclosure to the wall with the screws supplied into the wall anchors.
- 7) Next, place the Camera Platform onto the bottom of the Back Box, and screw the platform down with the four flat head machine screws (Figure 4).
- 8) The face frame has four screw holes for mounting the frame to the back box. The steps for installing the face frame are as follows:
 - a. On the sides of the face frame, there are four holes (Figure 4) for attaching the Face Frame to the Back Box with the supplied white pan head machine screws.

**Figure 4:**

Back of the face frame and front of the IN-Wall box enclosure. The four holes on the face frame match up with the threaded holes in the enclosure and are screwed into place.

- b. If an EZIM is to be installed in the Back Box, connect the break out cable to the EZIM, then screw the EZIM into place. If you are using standard cabling for the PTZ camera, those cables can be run through either one of the conduit knock-outs, or the slot at the bottom of the Back Box. For the EVI-D70, attach the EZ Camera Shoe to the back of the camera.
- c. Connect the CAT-5 cables to the EZIM, making sure that the cables are connected to the appropriate ports. NOTE: Plugging the wrong CAT-5 cable into the wrong port can damage either the Quick-Connect system or the camera and void the warranty.
- d. Next, connect the break out cables to the PTZ camera, and place the camera on the shelf. Attach the camera to the camera using the appropriate screws supplied with the mount.



WARRANTY INFORMATION

Hardware* Warranty - One year limited warranty on all parts. Vaddio warrants this product against defects in materials and workmanship for a period of one year from the day of purchase from Vaddio. If Vaddio receives notice of such defects during the warranty period, they will, at their option, repair or replace products that prove to be defective.

Exclusions - The above warranty shall not apply to defects resulting from: improper or inadequate maintenance by the customer, customer applied software or interfacing, unauthorized modifications or misuse, operation outside the normal environmental specifications for the product, use of the incorrect power supply, improper extension of the power supply cable or improper site operation and maintenance.

Vaddio Customer service – Vaddio will test, repair, or replace the product or products without charge if the unit is under warranty and is found to be defective. If the product is out of warranty, Vaddio will test then repair the product or products. The cost of parts and labor charge will be estimated by a technician and confirmed by the customer prior to repair. All components must be returned for testing as a complete unit. Vaddio will not accept responsibility for shipment after it has left the premises.

Vaddio Technical support - Vaddio technicians will determine and discuss with the customer the criteria for repair costs and/or replacement. Vaddio Technical Support can be contacted through one of the following resources: e-mail support at support@vaddio.com or online at www.vaddio.com.

Return Material Authorization (RMA) number - Before returning a product for repair or replacement, request an RMA from Vaddio's technical support. Provide a technician with a return phone number, e-mail address, shipping address, and product serial numbers and describe the reason for repairs or returns as well as the date of purchase and proof of purchase. Include your assigned RMA number in all correspondence with Vaddio. Write your assigned RMA number on the shipping label of the box when returning the product. Please see Vaddio's website for current RMA policies and procedures.

Voided warranty – The warranty does not apply if the original serial number has been removed or if the product has been disassembled or damaged through misuse, accident, modifications, or unauthorized repair. Cutting the power supply cable on the secondary side (low voltage side) to extend the power to the device (camera or controller) voids the warranty for that device.

Shipping and handling - Vaddio will not pay for inbound shipping transportation or insurance charges or accept any responsibility for laws and ordinances from inbound transit. Vaddio will pay for outbound shipping, transportation, and insurance charges for all items under warranty but will not assume responsibility for loss and/or damage by the outbound freight carrier. If the return shipment appears damaged, retain the original boxes and packing material for inspection by the carrier. Contact your carrier immediately.

Products not under warranty - Payment arrangements are required before outbound shipment for all out of warranty products.

**Vaddio manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry standard practices.*



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