VADDIO™ DOMEVIEW™ HD

INDOOR PENDANT MOUNT DOME ENCLOSURE FOR THE VADDIO ROBOSHOT™ AND HD-SERIES PTZ CAMERAS

Part Number: 998-9100-200
(Camera not included)

Inside Front Cover - Mostly Blank

Overview:
The Vaddio 12" DomeVIEW HD Series Dome Enclosures for the ClearVIEW™ HD-18, HD-19, HD-20, PowerVIEW™ HD-22, HD-30, HD-USB, HD-19SE and RoboSHOT PTZ cameras are attractive and robust integrated HD security solutions for indoor and light-duty outdoor applications. The DomeVIEW HD Series offers three distinctly different products. In all cases, the cameras are not included. This manual covers the 12" Indoor Pendant Mount Dome Enclosure.

Each Indoor Pendant Mount Dome Enclosure includes a clear 12" optical-grade polycarbonate dome, metal back can, UV protected plastic shroud and mounting hardware (see parts explosion on next page).

The 1.5" NPT pipe adapter attached to the top of the dome and is anchored through the plastic shroud, metal back can with a gasket for a strong and tight top seal.

Accessories include a Wall Mount Kit, a Wall Mount with Pole Mount Kit (for poles 3" to 10" / 76.2mm to 254mm) and a Structure Mounting Box Kit which uses a 1.5" NPT thread adapter.

The DomeVIEW HD Series Domes are an excellent way to securely mount Vaddio PTZ cameras for a wide range of HD video applications.

12" Indoor Pendant Mount Dome (with Clear Optical-Grade Dome (shown with 1.5" NPT Pipe and HD-18 Camera - Camera Not Included)
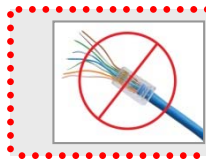
Intended Use:
Before operating the device, please read the entire manual thoroughly. The system was designed, built and tested for use indoors, and with the provided power supply and cabling. The use of a power supply other than the one provided or outdoor operation has not been tested and could damage the device and/or create a potentially unsafe operating condition.

Important Safeguards:
Read and understand all instructions before using. Do not operate any device if it has been dropped or damaged. In this case, a Vaddio technician must examine the product before operating. To reduce the risk of electric shock, do not immerse in water or other liquids and avoid extremely humid conditions.

> **Use only the power supply provided with any camera system. Use of any unauthorized or extended power supply will void any and all warranties.**

> **Please do not use "pass-thru" type RJ-45 connectors. These pass-thru type connectors do not work well for professional installations and can be the cause of intermittent connections which can result in the RS-232 control line failing and locking up, and/or compromising the HSDS™ signals. For best results please use standard RJ-45 connectors and test all cables for proper pin-outs prior to use and connection to Vaddio product.**
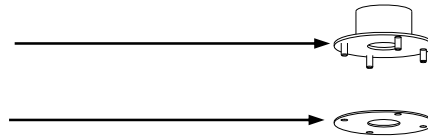
Save These Instructions:
The information contained in this manual will help you install and operate your product. If these instructions are misplaced, Vaddio keeps copies of Specifications, Installation and User Guides and most pertinent product drawings for the Vaddio product line on the Vaddio website. These documents can be downloaded from www.vaddio.com free of charge.
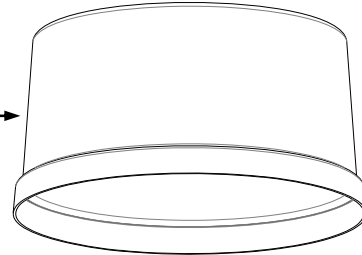
Anatomy of the 12" Indoor Pendant Mount Dome:
The DomeVIEW HD Indoor Pendant Mount Dome Enclosure will come partially assembled.

- 1.5" NPT Pipe Flange: Fits 1.5" NPT pipe or wall mount kit with 1.5" NPT male threads*

  - Rubber gasket to seal between pipe flange and plastic shroud*
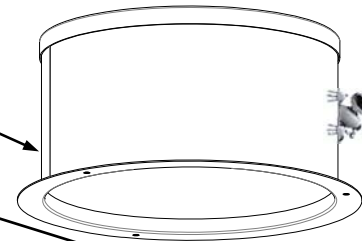
    - UV protected plastic shroud with drip edge*

- Three (3) 10-32 x .5" pan head screws attach through back of metal back can to the 2.5" stand-offs*
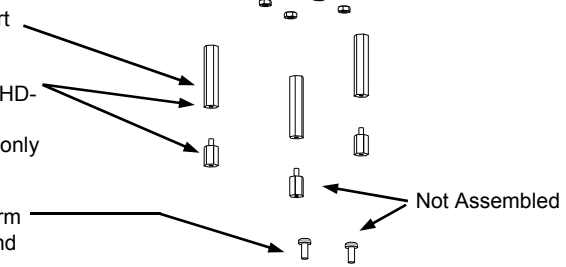
  - Sealed metal back can with weather stripping sealer around flange*

    - Four (4) ¼'-20 Keps Nuts secure the 1.5" NPT pipe flange to the enclosure*

Stand-offs:
- Three (3) 2.5" long 10-32 threaded F to F 0.5" Hex stand-offs support the camera platform* for HD-18 & HD-19 Cameras
- Three (3) 0.75" long 10-32 threaded M to F 0.5" Hex stand-off extensions, add to 2.5" stand-offs for use with HD-19SE,20/22/30 & HD-USB Cameras Only
- Three (3) 4.0" long 10-32 threaded F to F, 0.5" Hex stand-offs. Use only the 4.0" stand-offs for RoboSHOT Cameras

  - Two ¼"-20 x 5/8" screws attach HD-18/19 camera to platform
  - Two ¼"-20 x 3/8" screws attach HD-19SE/20/22/30/USB and RoboSHOT camera to platform
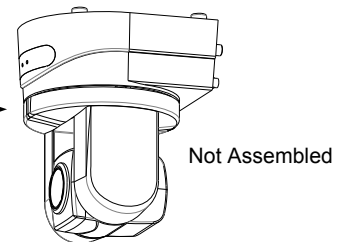
Not Assembled

- Universal Camera Platform

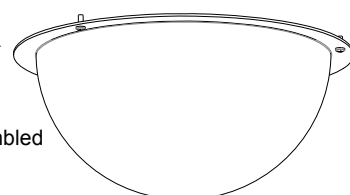 - Three (3) 10-32 x .5" Pan Head Screws attach through the camera platform to the 2.5" stand-offs*

    - Vaddio HD-20 or HD-18 PTZ Camera

Not Assembled

  - 12" Smoke tinted dome with three (3) stainless steel screws attached

Not Assembled

*These parts are pre-assembled.

Unpacking:
Unpack and identify the following parts for 999-9100-200
DomeVIEW HD - Indoor Pendant Mount Dome Enclosure Package includes:
- One (1) Dome Enclosure Assembly with the following parts:
  - One (1) 1.5" NPT Pipe Flange
  - One (1) Rubber Gasket (to seal between pipe flange and plastic shroud)
  - One (1) UV Protected Plastic Enclosure Shroud
  - One (1) Universal Camera Platform
  - Three (3) 10-32 x .5" Pan Head Screws (attach through metal back can to the 2.5" stand-offs)
  - One (1) Sealed Metal Back Can (with weather stripping sealer around flange)
  - Four (4) ¼'-20 Keps Nuts (secures the 1.5" NPT pipe flange to the enclosure)
  - Three (3) 2.5", 10-32 Threaded F to F .5" Hex Stand-offs (supports the camera platform for HD-18/19)
  - Three (3) 10-32 x .5" Pan Head Screws (attach the camera platform to the stand-offs)
- Three (3) .75" Long 10-32 Threaded M to F .5" Hex Stand-off Extensions (for HD-19SE/20/22/30 & HD-USB cameras using the 2.5" stand-offs with the .75" stand-off extensions)
- Three (3) 4.0" Long 10-32 Threaded F to F .5" Hex Stand-offs (supports the camera platform for RoboSHOT)
- Two ¼"-20 x 5/8" Screws (attach HD-18 and HD-19 camera to platform)
- Two ¼"-20 x .3/8" Screws (attach HD-20 camera to platform) - do not use 5/8" Screws on HD-20/22/30
- 12" Optical-Grade Clear Dome with Three (3) Stainless Steel Screws Attached

Other things that are needed for system completion:
- One (1) Vaddio HD PTZ Camera Package
- 1.5" NPT Wall Mount, Structure Mount or 1.5" NPT Threaded Pipe (see Accessories - sold separately)

Note: The 12" Smoke Tinted Dome can be purchased as an accessory for use indoors.

Conveniently Located Accessory Section:

998-9000-210: 12" (304.5mm) Clear Dome Accessory
- Includes Clear Dome with Stainless Steel Screws

998-9000-220: 12" (304.5mm) Smoke Tinted Dome Accessory
- Includes Smoke Tinted Dome with Stainless Steel Screws

998-9300-000: Wall Mount Kit for Pendant Mount Domes
- Heavy duty aluminum cast construction
- 1.5" NPT threads easily onto domes

998-9300-001: Wall Mount with Pole Mount Kit for Pendant Domes
- Heavy duty aluminum cast construction
- 1.5" NPT threads easily onto domes
- Accommodates 3" (7.62cm) to 10" (25.4cm) poles

998-9300-002: Structure Mounting Box Kit for Pendant Domes
- Mounting box with heavy duty 1.5" NPT thread adapter
- Requires 1.5" NPT pipe (not supplied)

Pre-Installation:

- Before starting the installation of the DomeVIEW HD 12" Indoor Pendant Mount Dome Enclosure, please read this manual. There are several things to consider before mounting a dome.

- When locating the dome, consider camera and subject matter viewing angles, lighting conditions, possible line of site obstructions and check for construction challenges where the camera is to be mounted. Pick a mounting location to optimize the performance of the camera. Avoid locating lighting elements or direct sunlight.

- Vaddio HD and RoboSHOT Series PTZ cameras use Cat-5e cable for video power and control. When terminating the Cat-5e cabling, please make sure that each cable is marked and tested for proper termination of all ends with a continuity tester. Please do not use the "pass -thru" type RJ-45 connectors.

- All work must conform to local building codes and should be performed by qualified personnel. For the most obvious reasons, a ladder is required to install the DomeVIEW HD Enclosure. Safety comes first, so please use safe tools, ladders and installation practices.

- Always measure twice, and check your work, then cut once.

STEP-BY-STEP Installation Instructions:

Step 1:
It is easiest to mount the dome on the 1.5" NPT pipe mount or wall mount and then install the contents of the dome to avoid cabling problems as the dome is spun onto the pipe mount. Rotate the dome counter-clock wise until threads are fully engaged.
Note: The camera and contents can also be installed on the ground, but extra care must be taken with the cables when the dome is spun onto the 1.5" NPT pipe threads - Installer's preference.

Step 2:
Loosen the two (2) 10-32 x .375" screws on the Universal Platform that are key-holed and fully remove one (1) 10-32 x .375" screw from the camera platform. Slide the two loosened screws through the keyholes and remove the platform.

Step 4:
Pull the camera's Cat-5e cabling through the 1.5" NPT pipe at this time.

Step 5:
Using the provided ¼"-20 x 5/8 screws, attach the HD-18 or HD-19 camera to the camera platform.

NOTE #1: If using the **HD-19SE/20/22/30/USB** camera, take the thee (3) .75" long 10-32 threaded M to F .5" Hex stand-off extensions and attach them to the Three (3) 2.5" long 10-32 threaded F to F .5" Hex stand-offs in the bottom of the dome's tub. Tighten the hex stand-offs firmly with a socket or nut driver. Attach the HD-20 camera with the provided ¼"-20 x **3/8"** screws to the Camera Platform.

NOTE #2: If using the **RoboSHOT** Series cameras, remove the installed Three (3) 2.5" long 10-32 threaded stand-offs from the dome's tub, and replace with Three (3) 4.0" long stand-offs. This will compensate for the height difference of the RoboSHOT's spatially efficient design. Attach the camera with the provided ¼"-20 x **3/8"** screws to the Camera Platform.

Step 6
Set the camera dip and rotary switches (functions and video resolutions prior to installing it in the dome). Re-install the Universal Mounting Platform inside the dome with the camera attached. Slip the keyholes over the screws in the stand-offs and tighten down all three platform screws   Connect the Cat-5e cables according to the manual that was included with the camera package purchased, making sure the cables are tucked up behind the mounting plate to avoid interference with the PTZ camera movement.

Step 7:
Once the camera is installed in the dome, pull the cable slack back through the pendant extension pipe or curved wall mount.

Step 8:
Attach the 12" polycarbonate dome to the enclosure with the three (3) attached stainless steel screws.

Step 9:
Connect the camera at the head end according to the camera manual.

DANGER

NOTE: Check all the marked Cat-5e cables for continuity in advance of the final connection. Plugging the Cat-5e cables into the wrong RJ-45 jack may cause damage to the camera system and void the warranty.

Warranty Information

(See Vaddio Warranty, Service and Return Policies posted on vaddio.com for complete details):

Hardware* Warranty: Two (2) year limited warranty on all parts and labor for Vaddio manufactured products. Vaddio warrants its manufactured products against defects in materials and workmanship for a period of two years from the day of purchase, to the original purchaser, if Vaddio receives notice of such defects during the warranty. Vaddio, at its option, will repair or replace products that prove to be defective. Vaddio manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry standard practices.

Exclusions: The above warranty shall not apply to defects resulting from improper or inadequate maintenance by the customer, customers applied software or interfacing, unauthorized modifications or misuse, mishandling, operation outside the normal environmental specifications for the product, use of the incorrect power supply, modified power supply or improper site operation and maintenance. OEM products and products manufactured by other companies are excluded and are covered by the manufacturer's warranty.

Vaddio Customer Service: Vaddio will test, repair, or replace the product or products without charge if the unit is under warranty. 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 vaddio.com.

Return Material Authorization (RMA) Number: Before returning a product for repair or replacement request an RMA from Vaddio's technical support. Provide the technician with a return phone number, e-mail address, shipping address, product serial numbers and original purchase order number. Describe the reason for repairs or returns as well as the date of purchase. See the General RMA Terms and Procedures section for more information. RMA's are valid for 30 days and will be issued to Vaddio dealers only. End users must return products through Vaddio dealers. Include the assigned RMA number in all correspondence with Vaddio. Write the assigned RMA number clearly on the shipping label of the box when returning the product. All products returned for credit are subject to a restocking charge without exception.

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, use of incorrect power supply, use of a modified power supply or unauthorized repair.

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.

Other General Information:
Care and Cleaning
Do not attempt to take this product apart at any time. There are no user-serviceable components inside.
- Do not spill liquids in the product
- Keep this device away from food and liquid, especially caviar.
- For smears or smudges on the product, wipe with a clean, soft cloth
- Do not use any abrasive chemicals on domes.

Operating and Storage Conditions:
Do not store or operate the device under the following conditions:
- Temperatures above 40°C (104°F) or temperatures below 0°C (32°F)
- High humidity, condensing or wet environments
- In swimming pools with movie stars
- In inclement weather
- Dry environments with an excess of static discharge
- In, under or around basement laundry tubs
- Under severe vibration

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