

# VADDIO™ DOMEVIEW™ HD

INDOOR PENDANT MOUNT DOME ENCLOSURE FOR THE VADDIO  
HD-20, HD-19 AND HD-18 PTZ CAMERAS

**Touchboards**

Part Number: 998-9100-200

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**Overview:**

The Vaddio 12" DomeVIEW HD Series Dome Enclosures for the ClearVIEW HD-20, HD-19 or HD-18 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 grey 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 the HD-20, HD-19 or HD-18 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 - 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 the system. Use of any unauthorized power supply will void any and all warranties.**



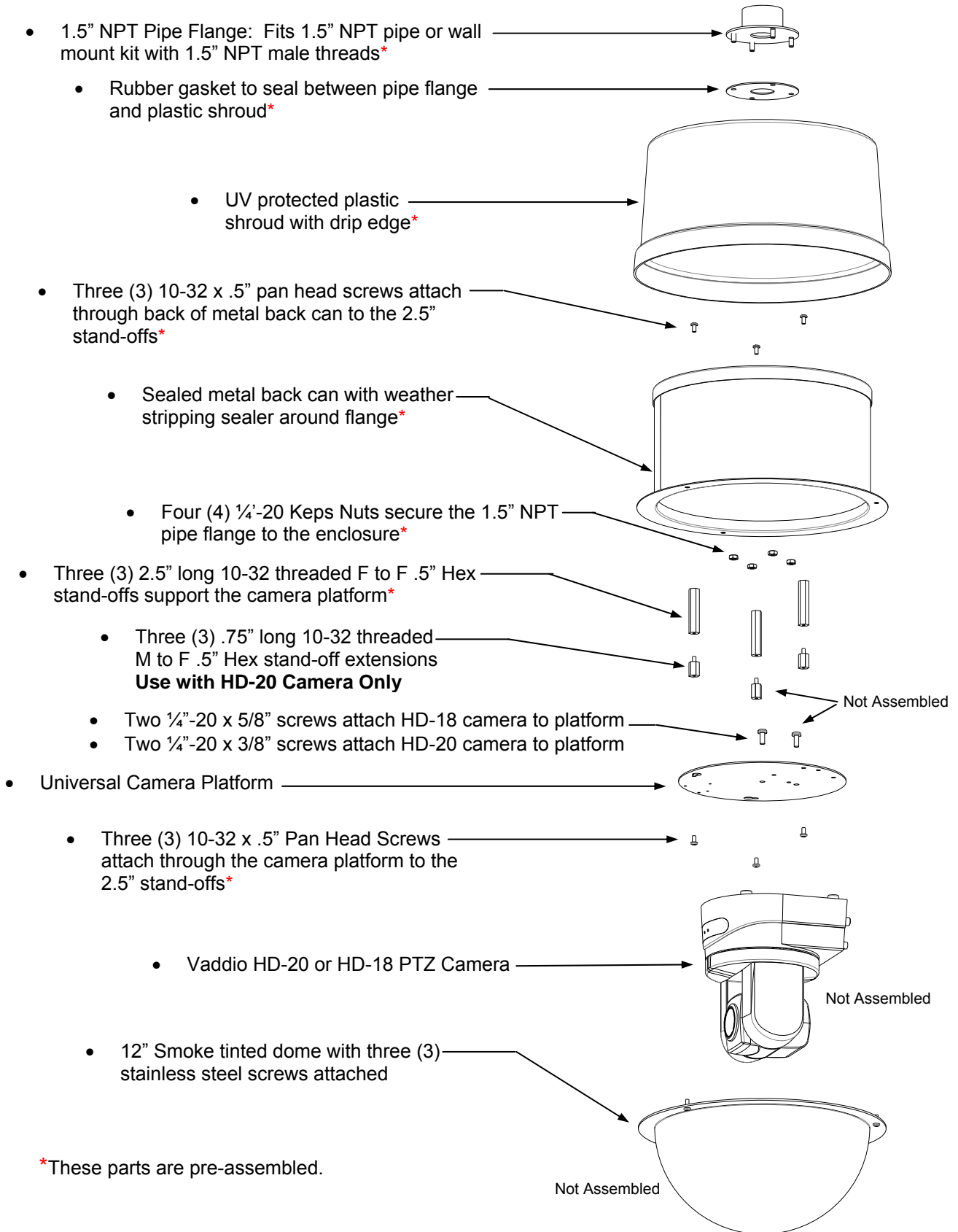
Please do not use "pass-thru" type RJ-45 connectors. These pass-thru type connectors do not work well for professional installations and can be the cause of intermittent connections which can result in the RS-232 control line failing and locking up, and/or compromising the HSDS™ signals. For best results 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](http://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.



**Unpacking:**

Unpack and identify the following parts for 999-9100-200

DomeVIEW HD - Light-Duty Weather-Resistant 12" Outdoor 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
  - 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" Long 10-32 Threaded F to F .5" Hex Stand-offs (supports the camera platform)
  - One (1) Universal Camera Platform
  - Three (3) 10-32 x .5" Pan Head Screws (attach the camera platform to the 2.5" stand-offs)
- Three (3) .75" Long 10-32 Threaded M to F .5" Hex Stand-off Extensions - **Use with HD-20 Camera Only**
- 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
- 12" Optical-Grade Clear Dome with Three (3) Stainless Steel Screws Attached
  - Note: The 12" Smoke Tinted Dome can be purchased as an accessory for use indoors.

**Other things that are needed for system completion:**

- One (1) Vaddio HD-20, HD-19 or HD-18 PTZ Camera Package.
- 1.5" NPT Wall Mount/Pipe Mount/Structure Mount or 1.5" NPT Threaded Pipe (see Accessories - sold separately)

**Conveniently Located Accessory Section:**

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**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-20, HD-19 and HD-18 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 1/4"-20 x 5/8 screws, attach the HD-18 or HD-19 camera to the camera platform.

**NOTE:** If using the HD-20 camera, take the three (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 can. Tighten the hex stand-offs firmly with a socket or nut driver. Attach the HD-20 camera with the provided 1/4"-20 x 3/8" screws to the Universal Camera Platform. The HD-20 is about 3/4" shorter than the HD-18 and HD-19 and needs this small boost.

#### 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.



**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's Warranty Policies posted on [vaddio.com](http://vaddio.com) for complete details):

**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. Please see Vaddio's Warranty and Service Terms and Conditions at [vaddio.com](http://vaddio.com) for specific details and policies.

**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](mailto:support@vaddio.com) or online at [www.vaddio.com](http://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 outside 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, 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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