



SPECIFICATION NUMBER:	81-IN6209
MODEL:	24889

STANDARD INSTALLATION PROCEDURE

CONTENTS INCLUDE:

- (1) Housing 24889
- (1) Parts Bag
 - a. (2) Cable strain relief plugs
 - b. (2) Black nylon locknuts

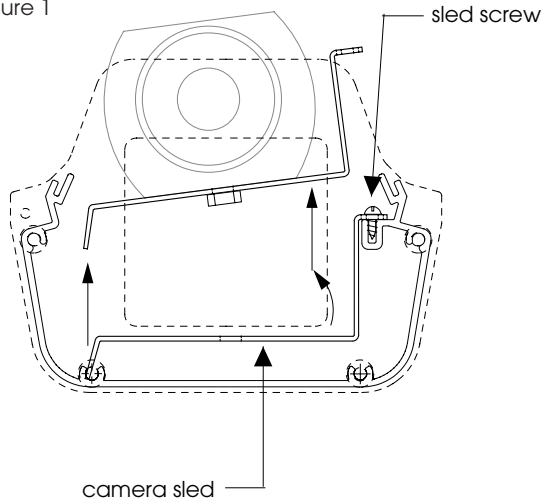
1. Remove the 2 Phillips head screws located on top of the front and back endcaps of the housing, then lift the top over the housing to its full open position.
2. From the outside, insert a cable strain relief plug into 1 of the 2 holes located on the bottom rear of the housing. Screw a black nylon locknut onto the cable strain relief plug from the inside of the housing and tighten. Repeat for the other plug.

OPTION: Omit one or both cable strain relief plugs if 1/2" metal conduit is used in the cable entry holes.
3. For units that do not include wallmount, align the 2 threaded mount holes on the center bottom of the housing with the holes of the wall mount bracket. Insert two 1/4 x 20 hex head bolts (supplied with the bracket) into the threaded mount holes and tighten.

CAMERA INSTALLATION

1. To loosen the camera sled turn the Phillips head screw, located on the inside ledge of the bottom half of the housing, 1/2 turn counterclock wise. Slide the camera sled toward the rear of the housing until screw head is aligned with the hole on the key slot of the camera sled. Lift and remove (Figure 1).

Figure 1



2. Place the Axis 211, 211A, 221, or 223M on the camera sled. Align the mount hole of the camera with the slot in the camera sled. Insert a bolt through the slot on the bottom of the sled into the camera. Adjust the camera so that it is parallel with the sled and tighten bolt.
3. Place the sled leg of the completed camera sled assembly into the channel on the bottom of the housing. Adjust the camera sled until the key slot hole aligns with the Phillips head screw. Make sure the camera sled is seated properly. Slide the camera sled forward to the desired position. Tighten the screw to secure the camera (Figure 2).

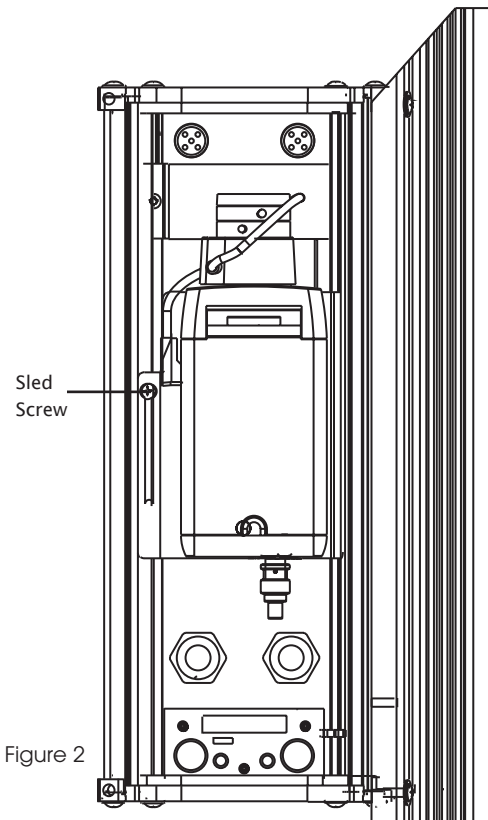


Figure 2

4. Feed wiring/cable through the cable strain reliefs on the bottom of the housing until the desired amount of wire has entered the housing. Make wiring connections to the Axis 211, 211A, 221, or 223M and lens as required by the camera instructions. Turn the cable strain reliefs to tighten down on the wiring/cable.

Warning: A readily accessible disconnect device shall be incorporated in the fixed wiring.

POWER CONNECTIONS FOR MODELS WITH HEATER/BLOWER

A plug-in wall transformer is included with the housing. The transformer outputs 24VAC. Determine where the transformers will be located, then run a set of power wires into the cable strain relief. Use the chart below to determine the correct gauge of wire needed based on the length of the run.

24 VAC Wiring Distances

The following are the recommended maximum distances for 24VAC with a 10% voltage drop. (10% is generally the maximum allowable voltage drop for AC-powered devices.)

Total vA consumed	Wire Gauge							
	22	20	18	16	14	12	10	
	40	35	44	70	112	179	285	452
	Maximum distance from transformer to housing							

1. Run 24 V AC power through a cable strain relief (separate from the ethernet). Place stripped power wire ends into the power board terminals marked 24 AC I (in). (See Figure 6)



Secure ground wire to screw located in bottom, rear of housing.

2. Tighten the terminal block screws, then tighten the cable strain relief.

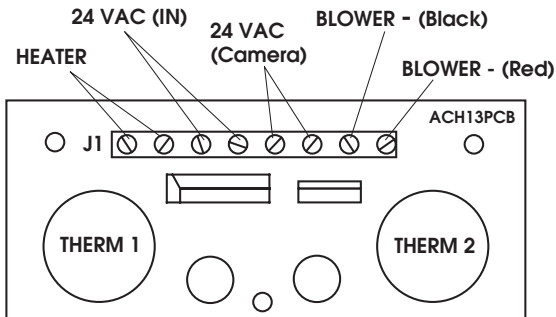


Figure 6

Note: Power consumption of outdoor model is AC 24V, 35VA.

POWER TO THE CAMERA

The product has an internal power supply that converts 24VAC to 12VDC for the camera. The power supply is located on the side of the housing towards the back. The Red and Black wires coming out are 12vdc. (Note: the yellow and purple are 24vac input)

Remove the power plug from the power supply provided with the camera and connect it to the white terminal block at the end of the 12VDC Red and Black wires.

Note: Make sure that polarity is maintained. The positive wire going to the camera should be connected to the Red wire and the negative wire connected to the Black wire.

ETHERNET

Run the Ethernet Cable through the other cable strain relief end plug directly into the camera.

MOUNTING THE HOUSING TO THE WALL

1. Remove the tilt mechanism from the bracket (see Figure 1).

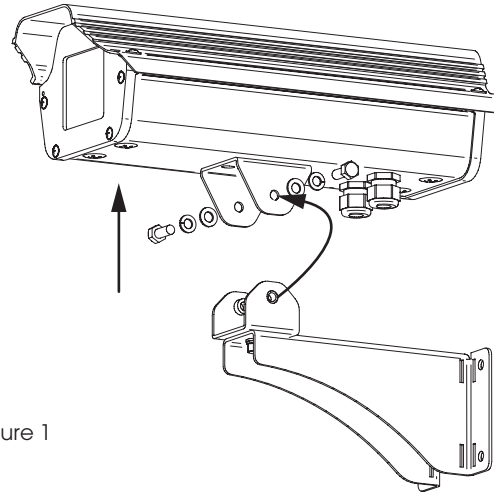


Figure 1

2. Hold the bracket to the wall and mark the bracket mounting pattern. Using the appropriate hardware and methods, secure the bracket to the wall (see Figure 2).

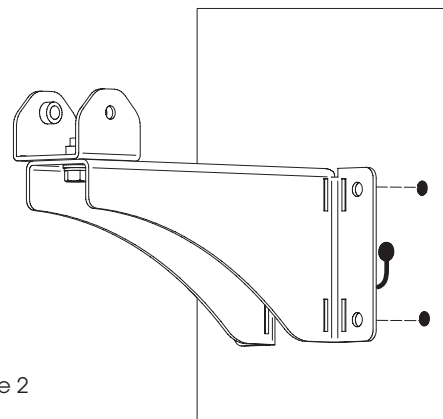


Figure 2

3. Take the camera housing and align the tilt mechanism holes with the holes on the pan mechanism (see Figure 3).

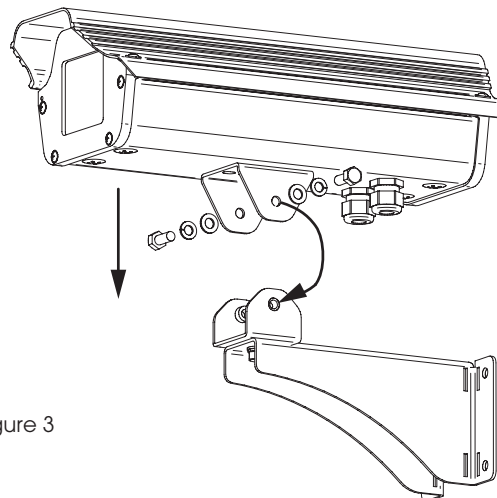


Figure 3

4. Insert the 5/16-18 x 3/4" bolts into the holes and tighten bolts to prevent housing movement (see Figure 4).

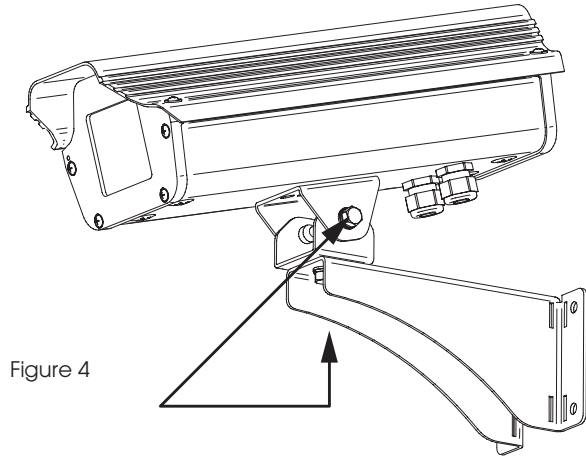


Figure 4

5. Adjust the focus and focal length until the desired field of view and focus is obtained.

TO POLE MOUNT:

The wall mount can also be mounted on a pole, up to 7" in diameter.

8. Position the bracket assembly to the desired height and location on the pole (Figure 5).
9. Attach the assembly to the pole using 3/4" mounting straps (not provided).
10. Slide the mounting straps through the slots in the bracket and tighten to the pole (Figure 6).

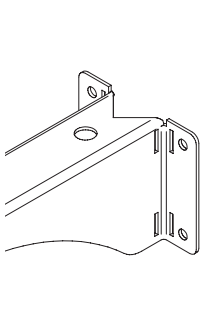


Figure 5

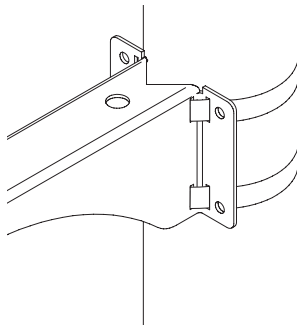


Figure 6

INSTALLING THE SUNSHIELD:

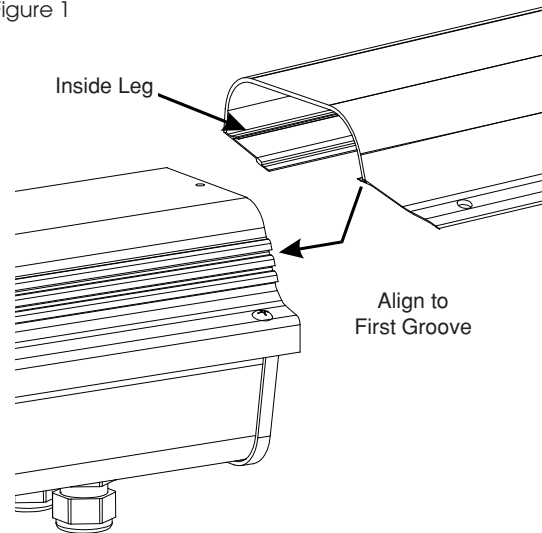
1. Align the inside legs of the sunshield with the top grooves of the 24899 top extrusion.

2. Slide the legs into the grooves and push the sunshield onto the housing until the ends of both parts are flush and the access holes on the sunshield are aligned with the screws on the top extrusion of the 24899 (Figure 1).

NOTE: It may be necessary to slightly bend open the end of the sunshield to help start the inside legs sliding into the grooves.

NOTE: Sunshield may be installed from the front or the rear of the housing.

Figure 1

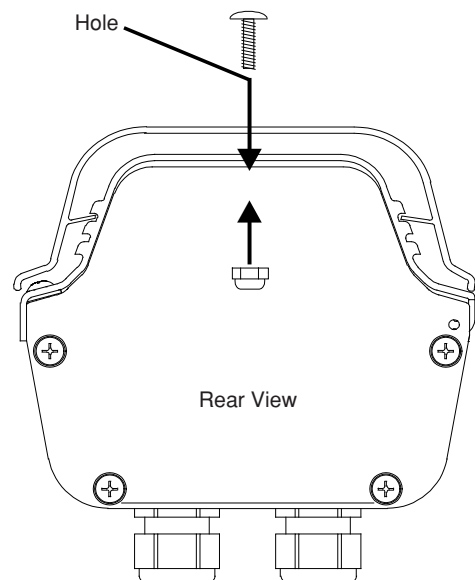


3. After sliding the sunshield onto the housing make sure the hole on the rear of the sunshield and the hole on the rear of the housing top are aligned.

4. Insert the 6-32x5/8" Truss Phillips head screw into the hole in the rear of the sunshield and through the 24899 top extrusion. Secure the screw with the locknut (Figure 2).

NOTE: Do not over tighten the nut. This will cause the sunshield to bow in the center.

Figure 2



IMPORTANT SAFEGUARDS

1. **Read Instructions** - All the safety and operating instructions should be read before the unit is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and user instructions should be followed.
5. **Electrical Connections** - Only a qualified electrician should make electrical connections.
6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs** - All cable runs must be within permissible distance.
8. **Mounting** - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:
 - a. The installation should be made by a qualified installer.
 - b. The installation should be in compliance with local codes.
 - c. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

WARRANTY INFORMATION

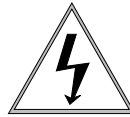
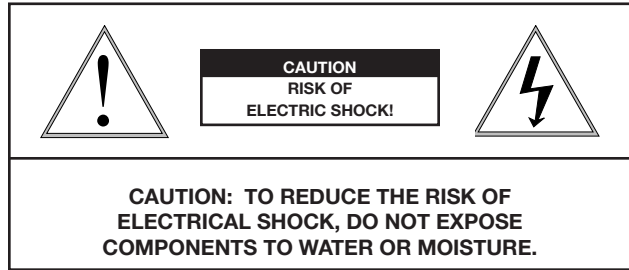
Videolarm, Incorporated warrants that products sold hereunder shall be fit for the ordinary purpose for which said products are intended and shall be free from defects in material and workmanship for a period of two years from date of sale to buyer. Videolarm makes no other warranty of any kind with respect to this product, whether expressed or implied, including, without limitation, the implied warranty of fitness for a particular purpose.

In the event of a breach of the above warranty, Videolarm shall, at its option, repair or replace said product. This is Videolarm's sole obligation under this warranty. In no event shall Videolarm be liable for any incidental or consequential damages, as defined in section 2-715 of the Uniform Commercial Code by a breach of this warranty.

Videolarm shall repair or replace defective products upon shipment of products prepaid to Videolarm, Inc., 2525 Park Central Blvd., Decatur, GA 30035.

Repairs made necessary by reason of accident, misuse or normal wear shall be charged at Videolarm's standard rate. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. These Installation and Operating Instructions.

SERVICE

If the unit ever needs repair service, the customer should contact Videolarm (1-800-554-1124) for authorization to return and shipping instructions.

TECHNICAL SUPPORT

If technical support is needed, Videolarm has set-up a 24 hour technical support line for their customers.

24 HOUR TECHNICAL SUPPORT

1-800-554-1124