

Manufactured for:

TOSHIBA

by MOOG
Videolarm

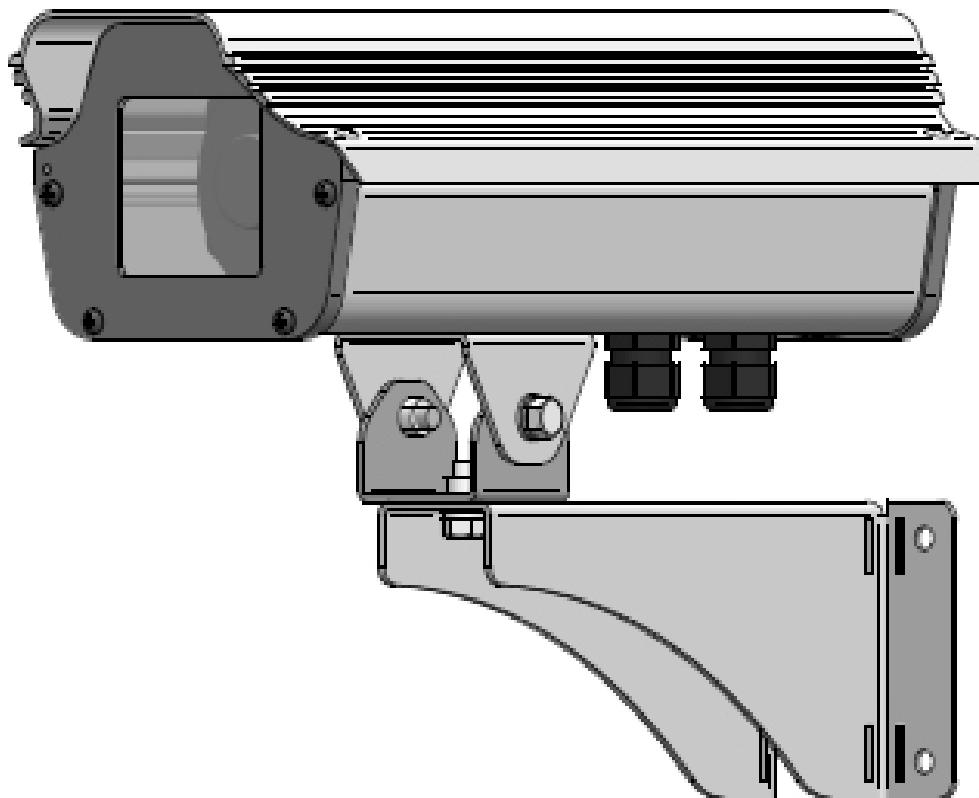
Before attempting to connect or operate this product, please read these instructions completely.

PRODUCT INSTRUCTIONS:

Installation and Operation Instructions for the following model:

JK-ACH13HBN

Aluminum Outdoor Environmental Camera Housings



81-IN4507R1

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.

ONE-YEAR LIMITED WARRANTY

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 one year from date of sale to buyer. Note that all electrical components will be warranted for a period of 1 year 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



**CAUTION
RISK OF
ELECTRIC SHOCK!**



**CAUTION: TO REDUCE THE RISK OF
ELECTRICAL SHOCK, DO NOT EXPOSE
COMPONENTS TO WATER OR MOISTURE.**



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

Electrical Specifications

JK-ACH13HBN



English
Input Power: 24 VAC; 35 Watts
Power Output: 12VDC 15 Watts
Camera: Not Supplied
Tools Required: Phillips Screwdriver
7/16 Wrench or Socket



Español
Energía De Entrada: 24 VAC; 35 Watts
De Salida De Energía: 27 Vatios De Heater/Blower
Cámara fotográfica: No provisto
Herramientas Requeridas: Destornillador Phillips
7/16 llave o zócalo



Français
Puissance D'entrée : 24 VCA; 35 Watts
De Rendement De Puissance : 27 Watts De Heater/Blower
Appareil-photo : Non fourni
D'Appareil-photo Les Outils Ont exigé : Tournevis Phillips
7/16 clé ou douille



Deutsch
Zugeführte Energie: 24 VAC; 35 Watts
Abgabeleistung: 27 Watt Heater/Blower
Kamera: Nicht Geliefert
Werkzeuge Erforderten: Kreuzkopfschraubenzieher
7/16 Schlüssel oder Einfäbung

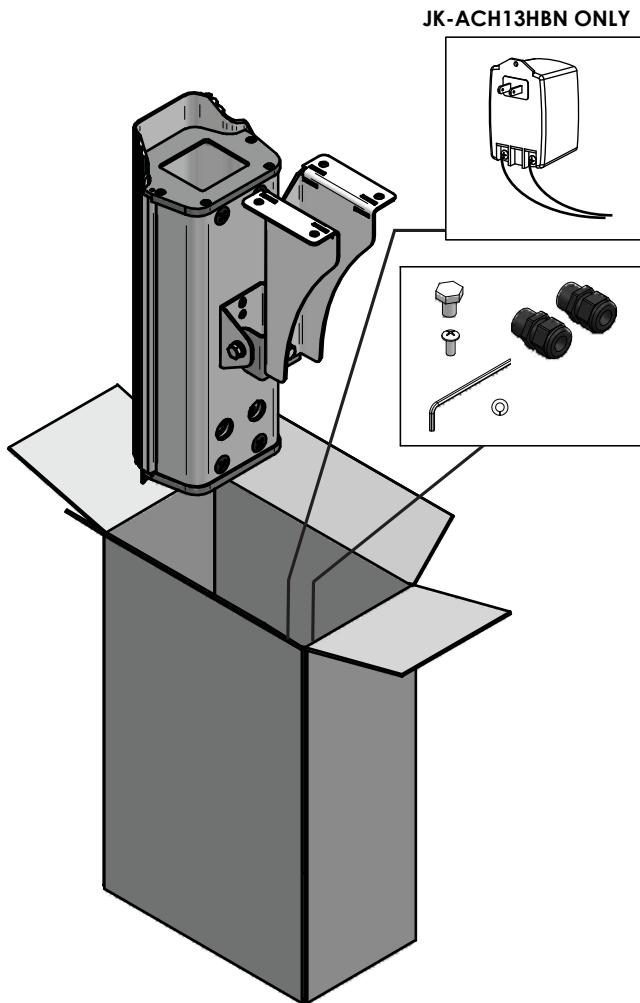


Portuguese
Poder De Entrada: 24 VAC; 35 Watts
De Saída De Poder: 27 Watts De Heater/Blower
Câmera: Não fornecido
As Ferramentas Requereram: Chave de fenda Phillips
7/16 de chave ou de soquete

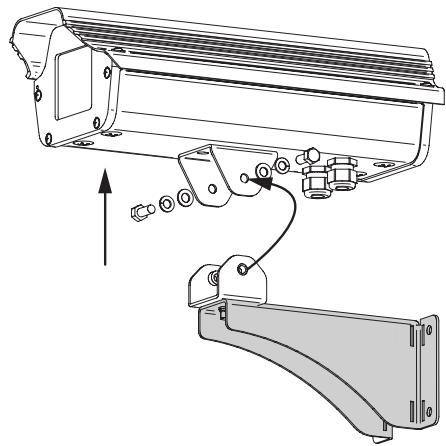


Italiano
Alimentazione in ingresso Di Entrata: 24 VCA; 35 Watts
Di Uscita Di Alimentazione: 27 Watt Di Heater/Blower
Macchina fotografica: Non fornito
Attrezzi Richiesti: Cacciavite "phillips"
7/16 chiave o di zoccolo

Unpacking the Product



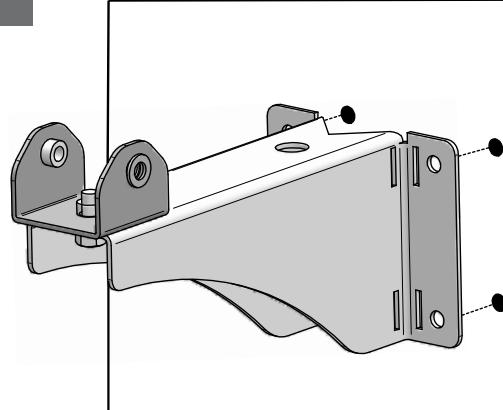
1



Remove the tilt mechanism from the bracket.

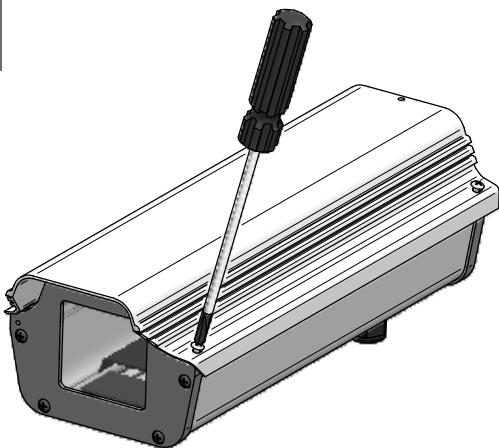
- Quite el mecanismo de la inclinación del soporte.
- Enlevez le mécanisme d'inclinaison de la parenthèse.
- Entfernen Sie die Neigungeinheit vom Haltewinkel.
- Remova o mecanismo da inclinação do suporte.
- Rimuova il meccanismo di inclinazione dalla staffa.

2



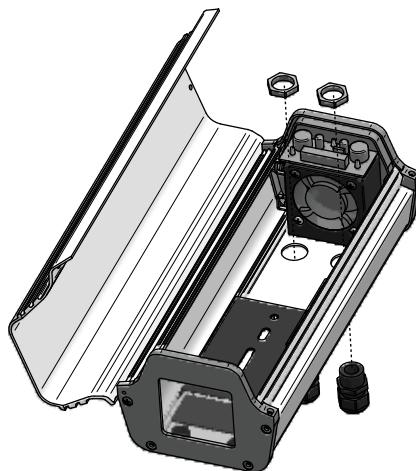
Attach the bracket to the wall and secure appropriately.

- Una el soporte a la pared y asegúrelo apropiadamente.
- Attachez la parenthèse au mur et la fixez convenablement.
- Bringen Sie den Haltewinkel zur Wand an und sichern Sie passend.
- Una o suporte à parede e fixe-o apropriadamente.
- Fissi la staffa alla parete e fissi giustamente.

3

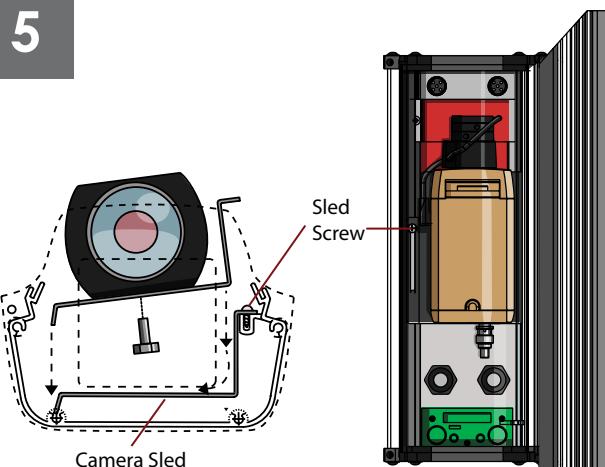
Remove the (2) screws on top of the housing and lift it open.

- Quite (2) los tornillos encima de la cubierta y levántelos abiertos.
- Enlevez (2) les vis sur le logement et soulevez-les ouvertes.
- Entfernen Sie die (2) Schrauben auf das Gehäuse und heben Sie sie geöffnet an.
- Remova (2) os parafusos no alto da carcaça e levante-os abertos.
- Rimuova (2) le viti in cima all'alloggiamento ed alzile aperte.

4

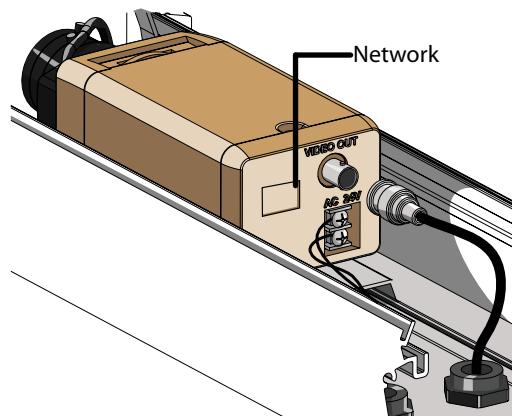
Install the (2) cable strain relief plugs on the bottom of the housing and tighten with the locknuts.

- Instale (2) los enchufes del retenedor de cable del cable en el fondo de la cubierta y apriete con las tuercas de fijación.
- Installez (2) les prises de passe-fils de câble sur le fond du logement et serrez avec les contre-écrous.
- Bringen Sie die (2) Kabelgummidurchführungsringstecker auf die Unterseite des Gehäuses an und ziehen Sie mit den Kontermuttern fest.
- Instale (2) os plugues do protetor da fiação do cabo no fundo da carcaça e aperte-os com as contraporcas.
- Installi (2) le spine di gommino di protezione del cavo sulla parte inferiore dell'alloggiamento e stringa con i contro dadi.

5

Place camera on sled and align mounting holes on each. Adjust camera parallel to sled and tighten the bolt on the bottom.

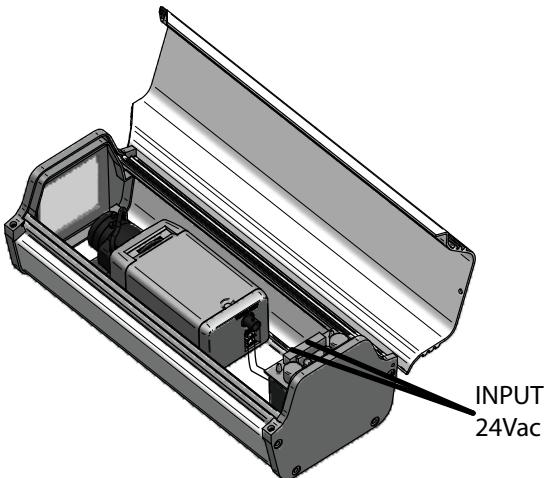
- Coloque la cámara fotográfica en el trineo y alinee los agujeros de montaje en cada uno. Ajuste la cámara fotográfica paralela al trineo y apriete el perno en el fondo.
- Placez l'appareil-photo sur le traîneau et alignez les trous de support sur chacun. Ajustez l'appareil-photo parallèle au traîneau et serrez le boulon sur le fond.
- Setzen Sie Kamera auf Schlitten und richten Sie Entlüftungslöcher auf jedem aus. Justieren Sie die Kamera, die zum Schlitten parallel ist und ziehen Sie den Schraubbolzen auf der Unterseite fest.
- Coloque a câmera no trenó e alinhe furos de montagem em cada um. Ajuste a câmera paralela ao trenó e aperte o parafuso no fundo.
- Disponga la macchina fotografica sulla slitta ed allinei i fori di montaggio su ciascuno. Registri la macchina fotografica parallela alla slitta e stringa il bullone sulla parte inferiore.

6

Feed the wiring through the conduit plugs and make all connections to the camera and lens.

- Alimente el cableado a través de los enchufes del conducto y haga todas las conexiones a la cámara fotográfica y a la lente.
- Alimentez le câblage par les prises de conduit et établissez tous les rapports à l'appareil-photo et à l'objectif.
- Ziehen Sie die Verdrahtung durch die Rohrstecker ein und stellen Sie alle Beziehungen zur Kamera und zum Objektiv her.
- Alimente a fiação através dos plugues da canalização e faça todas as conexões à câmera e à lente.
- Alimenti i collegamenti tramite le spine del condotto e faccia tutti i collegamenti alla macchina fotografica ed all'obiettivo.

7



Run 24VAC power through a conduit plug, and place the stripped power wire ends into the 24AC power board.

- Funcione la energía 24VAC a través de un enchufe del conducto, y ponga los extremos pelados del alambre de la energía en el tablero de energía 24AC.
- Courez la puissance 24VAC par une prise de conduit, et placez les extrémités dépouillées de fil de puissance dans carte d'alimentation 24AC.
- Lassen Sie Energie 24VAC durch einen Rohrstecker, laufen und setzen Sie die abgestreiften Energie Leitung Enden in das Energie 24AC Brett.
- Funcione o poder 24VAC através de um plugue da canalização, e coloque as extremidades descascadas do fio do poder na placa de poder 24AC.
- Faccia funzionare l'alimentazione 24VAC tramite una spina del condotto e disponga le estremità messe a nudo del legare di alimentazione nel bordo di alimentazione 24AC.

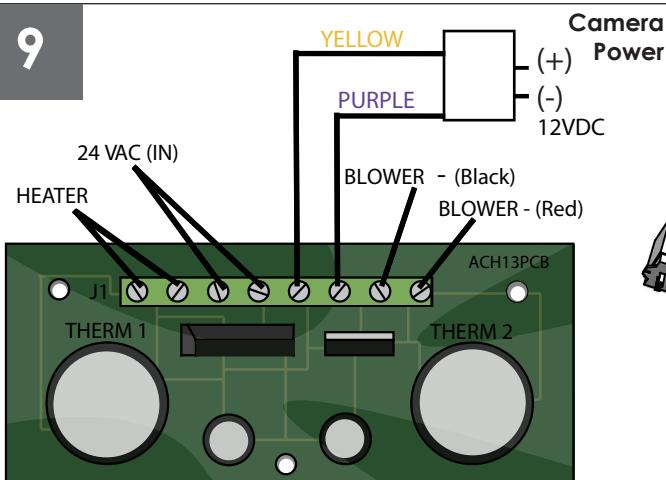
8

Total vA consumed	Wire Gauge								MM ²
	,5	,75	1,0	1,5	2,5	4	6	10	
5,5	ft	m	400	600	960	-	-	-	
10	120	180	300	480	800	1300	1960	3960	
20	89	141	225	358	571	905	1440	2750	438
30	65	98	130	225	350	525	830	1600	252
40	44	70	112	179	285	452	720	1380	219
50	35	56	77	143	228	362	576	1100	175
60	29	47	75	119	190	301	480	810	146
70	25	40	64	102	163	258	411	786	125
80	31	48	55	85	140	215	340	655	103

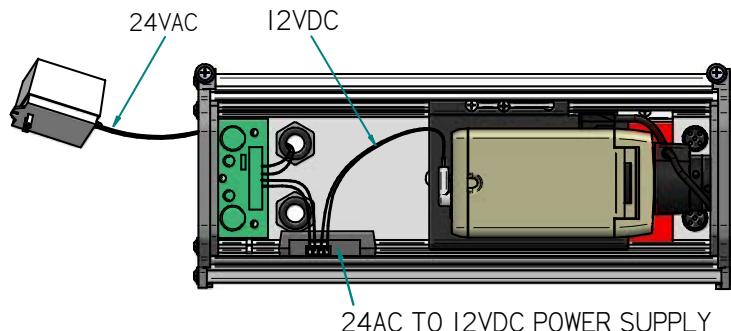
These are recommended maximum distances for 24VAC with a 10% voltage drop.

- Éstos se recomiendan las distancias máximas para 24VAC con una gota del voltage del 10%.
- Ceux-ci sont recommandés des distances maximum pour 24VAC avec une chute de tension de 10%.
- Diese werden maximale Abstände für 24VAC mit einem 10% Spannungsabfall empfohlen.
- Estes são recomendados distâncias máximas para 24VAC com uma queda de tensão de 10%.
- Questi sono suggeriti distanze massime per 24VAC con una differenza di potenziale di 10%.

9

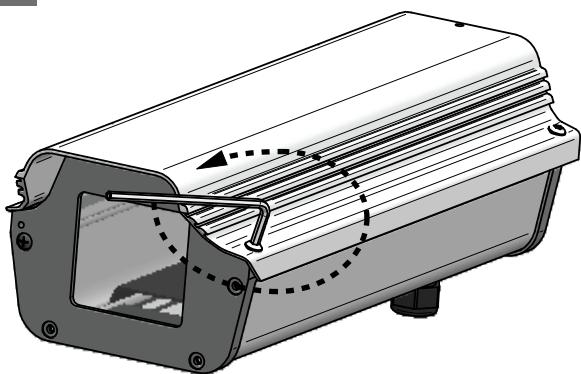


JK-ACH13HBN



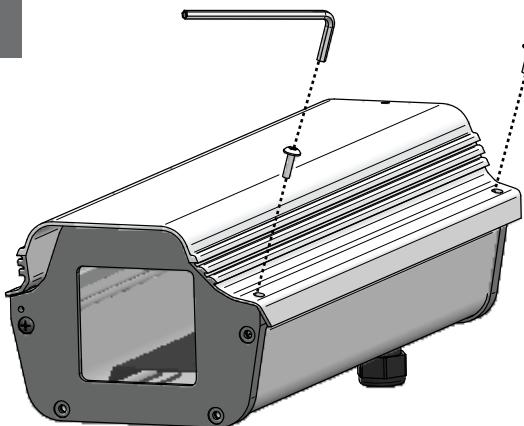
Connection for wiring 24VAC network unit. Power consumption for heater, blower camera (max) 40VA. Power output for camera 12VDC Maximum 1Amp (12 watts).

- Conexión para la unidad de la red del cableado 24VAC. Consumo de energía para el calentador, cámara fotográfica del soplador (máximo) 40VA. Salida de energía para el 1Amp máximo de la cámara fotográfica 12VDC (12 vatios).
- Raccordement pour l'unité de réseau du câblage 24VAC. Puissance d'énergie pour le réchauffeur, appareil-photo de ventilateur (maximum) 40VA. Rendement de puissance pour le 1Amp maximum de l'appareil-photo 12VDC (12 watts).
- Anschluß für Verdrahtung 24VAC Netzmaßeinheit. Leistungsaufnahme für Heizung, Gebläsekamera (Maximum) 40VA. Abgabeleistung für Kamera 12VDC maximales 1Amp (12 Watt).
- Conexão para a unidade da rede da fiação 24VAC. Consumo de potência para o calefator, câmera do ventilador (máximo) 40VA. Saída de poder para o 1Amp máximo da câmera 12VDC (12 watts).
- Collegamento per l'unità della rete dei collegamenti 24VAC. Assorbimento di corrente di energia per il riscaldatore, macchina fotografica del ventilatore (massimo) 40VA. Uscita di alimentazione per il 1Amp massimo della macchina fotografica 12VDC (12 watt).

10

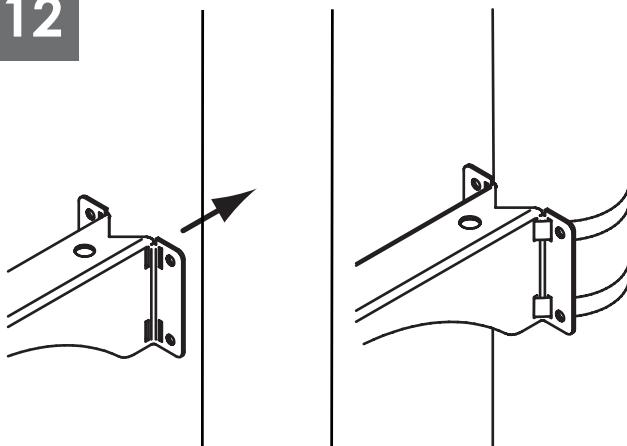
Close the top cover and tighten to the base with the hex screws.

- Cierre la cubierta superior y apriete a la base con los tornillos de la tuerca hexagonal.
- Fermez la couverture supérieure et serrez à la base avec les vis de sortilège.
- Schließen Sie die obere Abdeckung und ziehen Sie zur Unterseite mit den Hexagonschrauben fest.
- Feche a tampa superior e aperte-a à base com os parafusos do hex.
- Chiuda la copertura superiore e stringa alla base con le viti del hex.

11

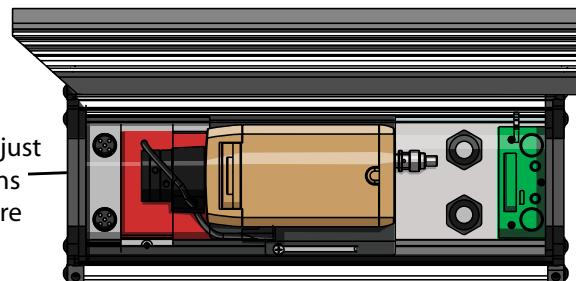
If desired, use the security screws in place of hex screws.

- Si está deseado, utilice los tornillos de la seguridad en lugar de los tornillos de la tuerca hexagonal.
- Si désiré, utilisez les vis de sécurité au lieu des vis de sortilège.
- Wenn Sie gewünscht werden, benutzen Sie die Sicherheit Schrauben anstatt der Hexagonschrauben.
- Se desejado, use os parafusos da segurança no lugar dos parafusos do hex.
- Se voluto, utilizzzi le viti di sicurezza al posto delle viti del hex.

12

If mounting to pole, attach assembly using 3/4" mounting straps (not provided).

- Si monta al poste, una a asamblea usando las correas que montan del 3/4"(no proporcionadas).
- Si montant au poteau, attachez l'assemblée en utilisant les courroies de montage de 3/4'(non fournies).
- Bei der Befestigung zum Pfosten, bringen Sie Versammlung mit 3/4"den Befestigungsbügeln an (nicht bereitgestellt).
- Se montando ao pólo, una o conjunto usando as cintas de montagem de 3/4"(não fornecidas).
- Se montando al palo, fissi il complessivo usando le cinghie di montaggio di 3/4"(non fornite).

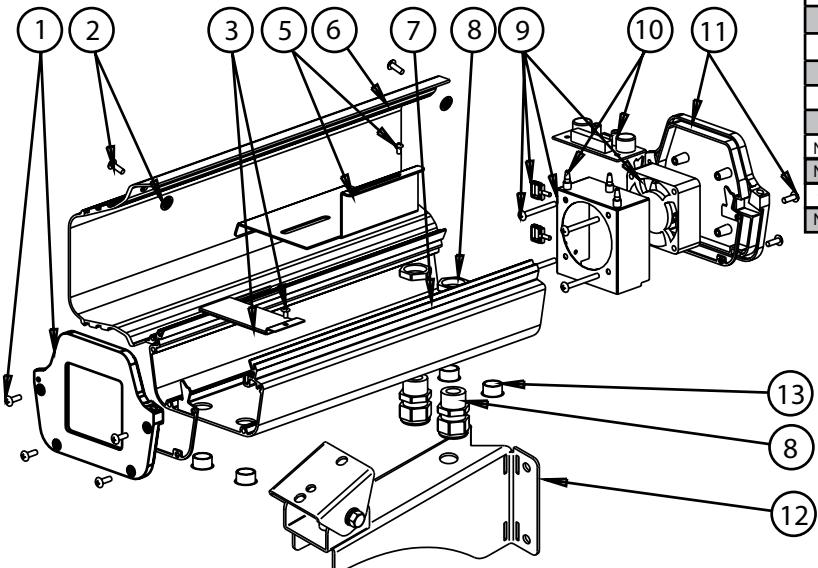
13

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

- Ajuste el foco y la longitud focal hasta que el campo visual deseado y el foco se obtiene.
- Ajustez le foyer et la longueur focale jusqu'à ce que le champ visuel désiré et le foyer soit obtenu.
- Justieren Sie den Fokus und die fokale Länge, bis gewünscht von der Ansicht auffangen und Fokus erhalten wird.
- Ajuste o foco e o comprimento focal até que o campo de vista desejado e de foco esteja obtido.
- Registri il fuoco e la lunghezza focale fino ad ottenere il campo voluto di visibilità ed il fuoco.

Replacement Parts List

JK-ACH13HBN



#	Part Number	Description
1	RPACH010	ACH13 Front Endcap Assembly
2	RPACH020	ACH13 Lid Screws
3	ACH2	24V Heater & Thermostat Kit For ACH13
	H12AACH12	12V Heater & Thermostat Kit For ACH13
5	RPACH050	ACH13 Camera Sled
6	RPACH060	ACH13 Top Extrusion
7	RPACH070	ACH13 Bottom Extrusion
8	RPACHPK	ACH13 Packet Assembly
9	ACB2	24V Blower & Thermostat Kit For ACH13
	ACB12	12V Blower & Thermostat Kit For ACH13
10	RPACHPC24	ACH13 Pcbord For 24V Models
	RPACHPC24	ACH13 Pcbord For 24V Models (Heater Only)
	RPACHPC220	ACH13 Pcbord For 220V Models
11	RPACH110	ACH13 Rear Endcap Assembly
12	WM800	Medium Duty Wall Mount Bracket For ACH13
13	RPACH130	ACH13 Vent Hole Plugs
N/S	ACHHB	24V Heater/blower Upgrade
N/S	RPNET03	20VAC to 12VDC Board
14	WM1500	WALL MOUNT (OPTIONAL)
N/S	RPTTRAN02	24VAC to 12VDC AMP POWER SUPPLY