SAFETY PRECAUTIONS:
This label may appear on the bottom of the unit due to space limitations.

CAUTION: TO REDUCE RISK OF ELECTRICAL SHOCK, DO NOT OPEN. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "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.

SECURITE: En raison de limitation de place, cette etiquette peut être placée sur le dessous de l’appareil.

ATTENTION: NE PAS OUVRIR. IL Y A PAS DE PIECES REMPLACEMENT A L’INTERIEUR. POUR TOUTE REVISION, S’ADRESSER A UN TECHNICIEN SPECIALISE.

L’ecran flache dans un triangle equilateral, avertit l’utilisateur de la presence d’une "tension dangereuse" non isolée à l'intérieur de l’appareil et d’une valeur suffisante pour constituer un risque d’électrocution.

Le point d’exclamation contenu dans un triangle equilateral, avertit l’utilisateur de la presence, dans la documentation qui accompagne l’appareil, de consignes d’utilisation et de maintenance importantes.

SICHERHEITSVORKEHRUNGEN: Aus Platzgründen kann diese Warnung auf der Unterseite des Gerätes angebracht sein.

VORSICHT: UM EINEN ELEKTRISCHEN SCHLAG ZU VERMEIDEN, ABDENCKUNG NICHT ENTHERMEN. WARTUNGEN ALLER ART QUALIFIZIERTEM PERSONAL ÜBERLASSEN.

Das Blitzsymbol im gleichseitigen Dreieck soll den Benutzer auf nicht isolierte "Hochspannung" im Gehäuse aufmerksam machen, die eventuell stark genug ist, um einen elektrischen Schlag zu verursachen.

Das Ausrufezeichen im gleichseitigen Dreieck soll den Benutzer auf wichtige Bedienungs- und Wartungsanleitungen in der dem Gerät beigefügten Literatur aufmerksam machen.

PRECAUCIONES DE SEGURIDAD: Debido a limitaciones de espacio, esta etiqueta puede aparecer en la parte inferior de la unidad.

PRECAUCION: PARA REDUCIR EL RIESGO DE CHOQUE ELECTRICO, FAVOR NO ABRIR LA CUBIERTA. ESTE EQUIPO NO CONSTA DE PIEZAS O PARTES QUE REQUIEREN SERVICIO O MANTENIMIENTO. PARA REPARACIONES FAVOR REFERIRSE A UN TECNICO CALIFICADO.

El símbolo representado por un relámpago con punta de flecha dentro de un triángulo equilátero, se muestra con el objetivo de alertar al usuario que existen “voltajes peligrosos” sin aislamiento, dentro de la cubierta de la unidad. Dichos voltajes pueden ser de tal magnitud que constituyen un riesgo de choque eléctrico a personas.

El símbolo de exclamation dentro de un triángulo equilátero, se muestra con el objetivo de alertar al usuario de que instrucciones de operación y mantenimiento importantes acompañan al equipo.
Wall/Ceiling Security Housings  
HS9405 Series  
Instructions for Use

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1 UNPACKING

Unpack carefully. This is electro-mechanical equipment and should be handled with care.

Check for the following items:
• Model number of unit
• Hardware kit:

   (1) 1/4 - 20 Button-Head Flange Screw
   (1) Tamper-resistant Tool (basic models only)
   (1) Alternate Camera Bracket
   (1) Key (Locking models only)

If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper. If any items are missing, notify Aigis Mechtronics.

The shipping carton is the safest container in which the unit may be transported. Save it for possible future use.

2 SERVICE

If the unit ever needs repair service, the customer should contact Aigis Mechtronics for return authorization and shipping instructions, 1-800-523-6500.

3 CARE AND MAINTENANCE

There are no moving parts in this unit. Regularly scheduled maintenance will help prolong the operation life of this unit. Clean the viewing window as needed with a mild, non-abrasive detergent in water and a soft cloth.

Warning:
To prevent fire or shock hazards, do not expose this unit or power supply to rain or moisture.

4 DESCRIPTION

The HS9405 series are wall or ceiling mounted security housings designed for applications such as prisons, parking garages and hospitals. These housings are ideal for any application requiring secure CCTV monitoring.

HS9405 has an overall size of 279 mm x 165 mm x 140 mm (11 in x 6.5 in x 5.5 in). The LTC 9405 series housings accept camera-lens combinations up to 180 L x 59 W x 68 H mm (7.1 x 2.3 x 2.7 in).

For maximum protection and durability, the light weight cast aluminum design of the HS9405 series housings provide the strength equivalent 10 gage steel with the superior strength to weight ratio of aluminum. The standard viewing window is constructed of 9.5 mm (0.37 in) clear polycarbonate treated with a scratch-resistant coating. The removable cover provides access to the camera and is secured with a single tamper-resistant and captive screw. During servicing or adjustment of the camera, the cover may be completely removed or (if mounted on a ceiling) it may be left attached to the top panel assembly using the "hinged slots" provided. These housings are designed to be mounted on the ceiling, on the wall horizontally or on the wall vertically.

4.1 Models

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS9405</td>
<td>Clear 9.5 mm (0.37 in) viewing window</td>
</tr>
<tr>
<td>HS9405L</td>
<td>Key lock</td>
</tr>
<tr>
<td>HS9405T</td>
<td>Tinted 9.5 mm (0.37 in) viewing window</td>
</tr>
<tr>
<td>HS9405W</td>
<td>Clear 12.7 mm (0.5 in) viewing window</td>
</tr>
<tr>
<td>HS9405LT</td>
<td>Key lock and tinted 9.5 mm (0.37 in) viewing window</td>
</tr>
<tr>
<td>HS9405LW</td>
<td>Key lock and clear 12.7 mm (0.5 in) viewing window</td>
</tr>
</tbody>
</table>
5 INSTALLATION

This installation should be made by qualified service personnel and conform to the National Electrical Code and applicable local codes.

Tools Required:
- Allenwrench - 5/32 inch
- Wrench - 10mm

5.1 Disassembly

1. Remove the hardware kit from the shipping carton.
2. Non-locking models require the use of the special tool (included) to unscrew the tamper-resistant screw on the front of the cover. See figure 1.

Locking models require the use of the key to unscrew the lock on the front of the cover. See figure 1.

3. For all models, unscrew the screw or the lock until the front of the cover is free from the top panel.
4. With the unit on a workbench or table, hold the cover stationary. Remove the top panel by grasping it and pulling it rearward, then upward for about 3-1/2 inches (9 mm), and finally rearward again until the slots in the top panel have cleared the studs in the cover.
5. Unscrew the flange nut and remove the camera mount system from the top panel. See figure 2. Do not lose the parts, they will be needed to mount the camera and reassemble the unit.

5.2 Mounting the Unit

1. Position the top panel on the ceiling or wall, horizontally or vertically, depending on the installation requirements. See figure 3. A smooth flat surface is ideal for proper installation. Note the minimum space requirements shown in figure 3.

**WARNING!** - Do not use the hinge feature when the unit is mounted on a wall. The cover may fall from the top panel.

2. Mark the anchor bolt locations on the mounting surface using the holes in the top panel as a template. At least four 8-mm (5/16-in.) anchor bolts will be needed. Use of six bolts is recommended.
3. Drill holes and install anchors as required by the type of mounting surface.
4. Decide how the wiring will be routed to the unit. Two knockouts for 3/4 inch conduit and one knockout for 1-1/4 inch conduit are provided. See figure 4.
5. Mount the top panel using the bolts and rout the wiring.
5.3 Camera/Lens Installation

1. If the installation requires that the camera be mounted horizontally to a wall, remove the camera bracket from the mounting system and install the alternate camera bracket provided in the hardware kit. See figure 5.

![Figure 5: Alternate Camera Mount](image)

2. Reattach the camera mounting system to the top panel using the same hardware that was removed in step 5 of section 5.1. Use either of the two studs near the center of the panel, depending on the camera/lens size. See figures 6 and 7.

![Figure 6: Installing the Mount System](image)

3. Secure the camera to the mount using the _-20 x _ inch button-head flange screw provided in the hardware kit. See figures 8, 9 and 10.

![Figure 8: Camera Mounts](image)

![Figure 9: Camera and Mount System](image)

![Figure 10: Camera Mounted with Alternate Bracket to a Wall](image)

Figure 7: Securing the Mount System with Alternate Bracket
5.4 Final Assembly

1. Mount the cover by aligning the two studs near the rear of the cover with the openings of the z-shaped slots in the top panel. Slide the cover to the rear, then upward and finally to the rear again. See figure 11.

2. Inspect the alignment of the camera / lens in the unit. The camera / lens should be placed as close to the viewing window as possible. Remove the cover and make adjustments as needed and then replace the cover.

3. Secure the cover by turning either the tamper-resistant screw (using the drive tool supplied) or the keyed lock (using the key supplied) counter-clockwise until the cover is in tight contact with the top panel.

   Note: Save the drive tool or the key for future use.

4. For installations where the unit is mounted to the ceiling, the top cover may be hinged open for servicing or adjusting the camera / lens. Simply allow the two studs in the rear of the cover to rest in the bottom of the z-slots in the top panel.

   **WARNING!** – Do not use the hinge feature when the unit is mounted to a wall, the cover may fall from the top panel.