

AXIS P47 Panoramic Camera Series

AXIS P4705-PLVE Panoramic Camera

AXIS P4707-PLVE Panoramic Camera

AXIS P4708-PLVE Panoramic Camera

Repainting instructions

AXIS P47 Panoramic Camera Series

Impact on warranty

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This product is not approved for repaint by Axis. If you still want to repaint the product, follow the instructions in this document and at www.axis.com/warranty-implication-when-repainting

Risks with repainting

There are several risks when disassembling or assembling an Axis product. Training of operators and the use of correct tools mediates some of the problems but they can never be fully avoided. Some of the risks include:

ESD Damage – Always handle the product in an ESD safe environment. Even if precautions are taken there is always a risk of ESD damage. The damage can remain undetected and cause problems during the lifetime of the equipment.

Dust contamination – Opening a camera may expose the lens and sensor to dust or paint. Dust will affect the optical performance. Lenses need to be disassembled in a dust-free environment, preferably a cleanroom.

Paint overspray – Masking the different components of the equipment is critical. Failure to mask sensitive areas can cause problems when assembling the equipment. Areas not painted at the factory or which have a different surface treatment than the parts to be painted (threads, ground and electrical contact surfaces) must also be masked to ensure function.

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Repaint the product

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Preparations

- If applicable, disassemble the device according to the instructions in this document.
- Clean all parts that will be repainted thoroughly to remove grease, dust, or oil.
- To ensure reassembly and functionality of the product, mask any openings (for example for screws, LED indicators, or microphones) before you paint.
- To avoid unwanted reflections, mask the inside of the weathershield before you paint.

Pretreatment of parts

Depending on the part material and type of coating applied at the factory, pretreatment might be necessary for the new coating to adhere well. Before you apply a new coating, we recommend the following pretreatment:

1. If necessary, roughen up the surface with a light sandpaper or similar to increase adhesion. Alternatively, remove the original coating down to the base material.
2. Clean the parts properly to remove oil, grease, and dust.
3. If necessary, apply a primer layer suitable for the specific material, to increase adhesion to the parts. For metal parts on outdoor products, we recommend a primer to improve corrosion resistance.

We recommend pretreatment of parts that are:

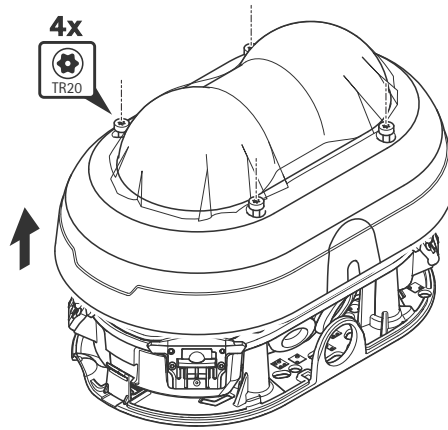
- powder-coated
- wet-painted
- anodised
- chromated
- stainless steel
- other metal
- plastic

The material used in this product is Panlite LN3520ZH.

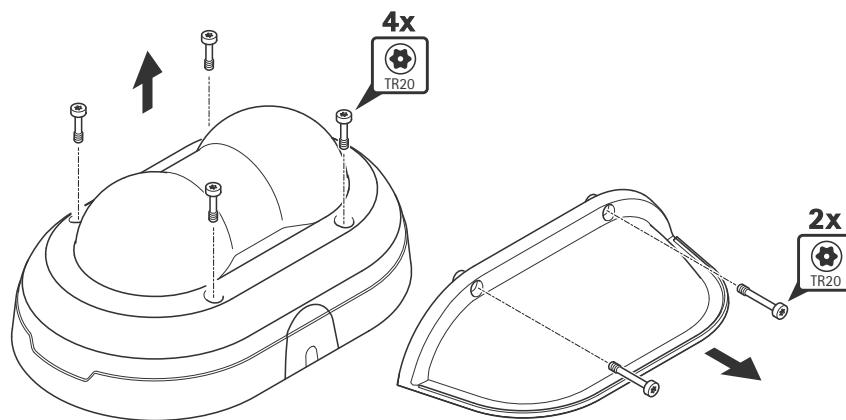
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Disassembly



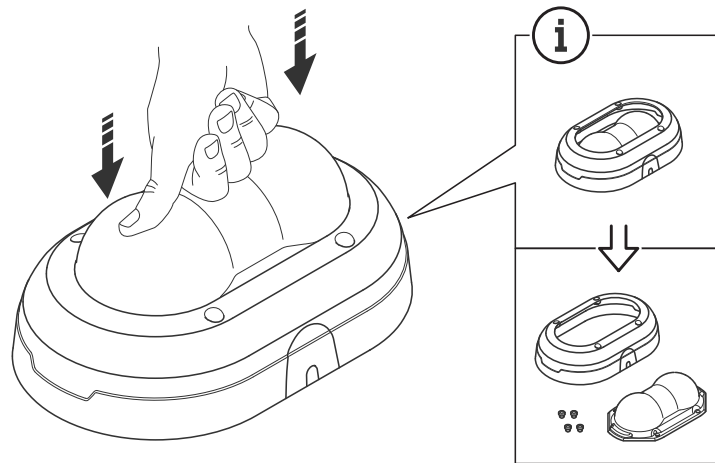
1. Remove the dome cover.



2. Remove the screws from the weathershield (if used) and the dome cover.

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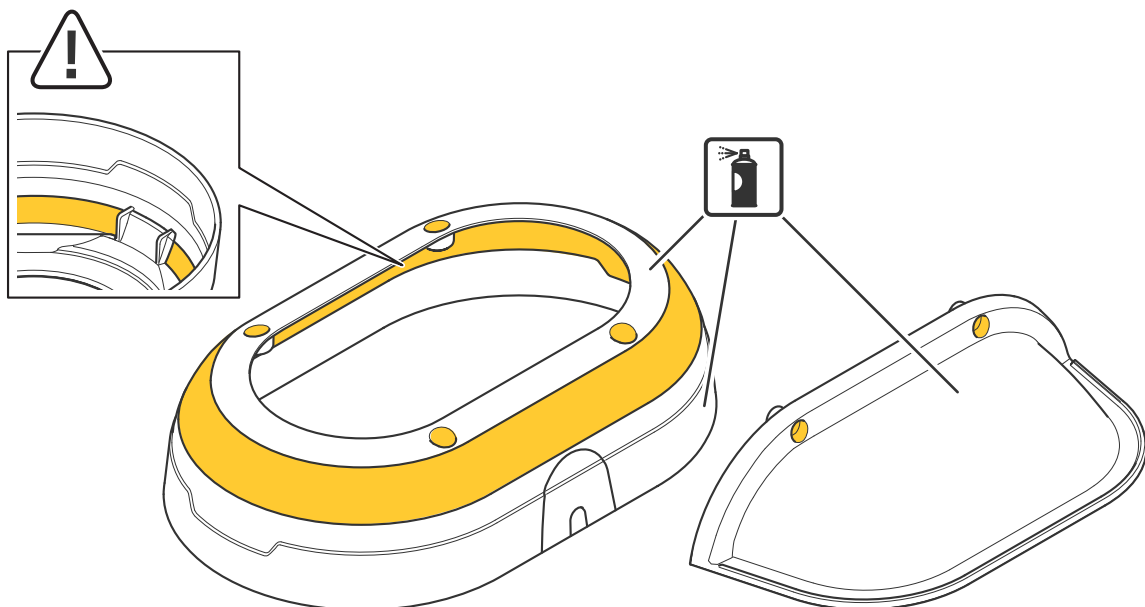
Repaint the product



3. Use your hand to remove the dome from the dome casing. Collect the metal inserts.

Repainting

1. Make sure all necessary preparations of the weathershield and dome cover have been made, see *Preparations on page 3*.



2. Mask the screw threads and the IR transparent window, both from the inside and the outside. Also mask the underside of the weathershield properly.
3. Apply a thin and even layer of spray paint according to the instructions of the paint manufacturer.

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4. Let the paint dry.
5. To get a better coverage and clearer color, apply a second layer of spray paint.
6. When the paint is dry, remove the masking and reassemble the product.

Reassembly

1. Reattach the dome to the dome casing using the metal inserts.
2. Reassemble the camera unit, dome cover, and weathershield and tighten the screws (torque 1.0 N m, 0.7 lb ft).

