

# Panomera® Maintenance

## Important information for inspection and maintenance of Panomera® S4 and S8 systems

Like any other item of daily use, the components of a video security system are subject to natural wear and tear due to environmental influences. Regular **inspection and maintenance of Panomera® systems** is therefore required to ensure error-free operation and to avoid consequential damage. We recommend carrying out the inspection and maintenance **as prescribed at least once a year** during the entire operating period.

-  The operator or owner of a video security system has a legally anchored duty to maintain the safety of the equipment. This obligation includes in particular the inspection and maintenance of Panomera® systems. If damage results from neglect of this obligation, the system operator or owner is liable.
-  The maintenance interval always depends on the prevailing environmental conditions and the current conditions (storm, hail, etc.). The maintenance interval has to be determined individually on the basis of a risk analysis.
-  The standards and guidelines to be observed by the operator or owner of a video security system must always be defined individually.

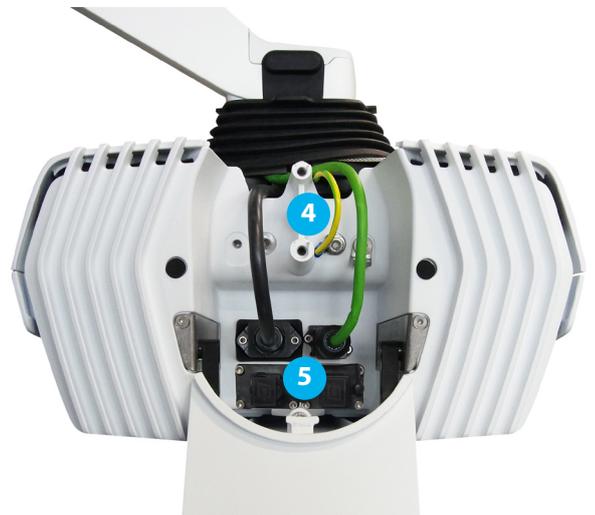
### Strength Test

The Panomera® System system and all attached parts must be checked for mechanical strength. This serves to prevent personal injury and damage to property caused by falling parts.

- The inspection must be carried out at least once a year.
- The inspection must be carried out by qualified personnel.
- The inspection must be sufficiently and comprehensively documented.
- The inspection must include at least visible damage and wear, functionality, operational safety and legibility of markings.

-  Please note that the operator of a video system is liable for personal injury and property damage caused by falling parts.

This simplified example shows the wall mounting of a Panomera®. Check alternative mounting methods (ceiling or pole mounting) accordingly. If necessary, observe other attached parts and check in particular:



- 1 the mounting of the Panomera® on the bracket.
- 2 the mounting of the bracket on the wall.
- 3 the sealing of the front glass.
- 4 the fastening of the earthing cable.
- 5 the correct positioning of the connectors for power supply and network connection.
- 6 the attachment of the safety cable to the Panomera® and to the anchor point.

-  Defective parts must be replaced immediately.



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## Housing Cleaning

Regular cleaning of the Panomera® housing is necessary for error-free operation. Contamination of the front glass, for example, could lead to poor image quality. On the other hand, heavy soiling of the cooling fins could endanger heat exchange and thus fault-free long-term operation.

 Please note that regular cleaning of the housing is not only necessary for optical reasons.

First remove all foreign objects (cobwebs, leaves, etc.) from the housing, especially:



- 1 from the front glass.
- 2 between the cooling fins on the back.
- 3 between the ventilation holes at the back.
- 4 Clean the surface of the housing soft, dry and antistatic cloth.

 Do not use cleaning agents to avoid damaging the surface.

- 5 Clean the front glass of the Panomera® with a silicone-free cotton cloth.

 Do not use a household glass cleaner, but a special cleaner recommended by Dallmeier (Flux glass cleaner).

 Avoid strong rubbing and do not allow residues of the cleaning agent to dry on the front glass.

## Front Glass Check

After cleaning the housing, the front glass of the Panomera® should be checked. In addition to observing any scratches, the seal of the front glass in particular should be checked thoroughly. Depending on the prevailing environmental conditions, the seal may be damaged by cracks or shrinkage. As a result, penetrating moisture can lead to fogging of the glass from the inside and, in extreme cases, to damage to the optics and electronics.

 Note that a front glass with a damaged seal must be replaced immediately to avoid consequential damage.

