



Camera Sealing Guide

Outdoor camera installation best practices....

Dome cameras...



Dome cameras have several places that require attention when mounting outdoors to ensure watertight operation. Note all the places indicated with arrows above where water can enter the housing. We typically recommend using a good quality clear silicone in sufficient quantities to ensure that a good seal is made. Don't be afraid to use silicone, silicone is cheap; rolling trucks to replace cameras is not. If the camera comes with special mounting screws, use the provided hardware. The provided hardware often includes gaskets which are not present if you use other hardware. If the camera includes a foam gasket in the box; use it. The foam gasket is not included in all camera models but if there is one in the box, it should be used. Water can enter through the back of the camera if it is mounted to a masonry wall. If not completely sealed with silicone water seeps in from the back of the camera through the mounting holes and pipe fitting hole and will condensate inside the body damaging internal components. That is why running a bead of silicone around the outside of the camera is not enough to keep water out. You need to fill in and completely seal the mounting holes as well as the pipe threaded hole with silicone to keep water from entering the housing. Note in the second and third pictures the installer took the precaution of sealing the pipe threaded plug on the side of the camera. Silicone is cheap, replacing cameras is not.

Bullet Cameras...



Bullet cameras tend to be more forgiving when mounting outdoors but care still needs to be taken to seal the opening where the cable passes through the wall where the camera is mounted. The connectors themselves are not watertight and need to be inside a water tight junction box or in an area where they are not exposed to moisture. If left in a humid environment these connectors will corrode and then you will start getting intermittent connectivity through these.