

Camera Settings guidelines

False Alarms of the Motion Detector

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The most common cause of false alarms from the camera is its incorrect installation. When the camera is installed correctly, false alarms are very rare. Still, sometimes they might happen. It is related to the principle of operation of the motion detector used in the camera.



Temperature difference is the key factor which causes triggering of the motion detector.

Before installing the camera indoors make sure that all the windows are tightly closed, and the air conditioner or fan is turned off. This will eliminate draughts and air mass movement which cause false alarms from the motion detector. You also should choose such places for installation where **the camera is not exposed to sunlight, heat from heating batteries, autonomous heaters and other devices producing thermal radiation**. Even an ordinary light bulb can trigger the motion detector of the camera.

Before installing the camera outdoors make sure that there are no metal or other objects which can be heated by solar or any other radiation within the view area of the camera. Any temperature difference within this area can cause false alarms (from sun-heated siding, barrels, doors, fire).

Following these simple recommendations will help you prevent the motion detector of the camera from false triggering.

Connection

In order for the camera's mobile connection channel to be stable and the photo sending to be reliable, several factors must be taken into account when installing the camera.

- The higher the camera is installed, the better the signal is. This should be considered when installing in areas with poor signal quality.
- Mount the camera so that the antenna is vertical. If you want to install the camera so that the antenna is placed horizontally, do not use the antenna from the package. In this case purchase an external antenna, connect the corresponding antenna connector to the camera connector and mount the camera vertically as high as possible. Amplified external antennas can be ordered in our online store <https://kubikcam.ru/shop/>.
- It should be taken into account that in buildings, metal structures (containers, houses with metal facades, etc.) the quality of mobile connection is reduced due to the fact that metal has shielding effect.

Power Consumption

In order for the camera to operate as long as possible without connecting an external power supply, it is important to take into consideration all the factors affecting power consumption:

- The worse the quality of GSM signal is, the more power consumes the camera.
- The operating time of the device does not depend on the idle time, but on the frequency of sending photos. We recommend that you install the camera so that false alarms of PIR sensor will be minimized.
- The more channels for sending photos you have configured, the more power consumes the camera.
- If there is Wi-Fi in the installation area of the camera, then photos should be sent via Wi-Fi channel, since sending via this channel is less energy-consuming than in the GSM network.
- Note that sending photos to YANDEX Disk is faster than to E-mail, therefore the process of sending will be less energy-consuming.

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