



4MP Outdoor Floodlight Camera

Configure PIR Motion Detection

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The ADC-V729/V729AC/VC729P includes a PIR motion detection feature that can be used to activate the main floodlights when it detects motion. This feature does not trigger recording rules or other automation but is best used when general illumination is needed.

The sensor has a 270-degree field of view that can be configured in three 90-degree segments.

Note: Environmental factors may affect the maximum range and detection of the PIR sensor.

Setup and use

When setting up PIR motion detection for the V729, keep in mind:

- By default, motion triggers are enabled and do not require an internet connection to activate.
- For optimal motion detection, the camera should be pointed at a 30-degree angle and installed 8-12 feet high.
- Motion triggers will only activate the full floodlight.

Configure/edit the PIR motion detection

To configure/edit the PIR motion detection using the Grand Alarms customer website:

1. Log in to the Grand Alarms customer website or *Log In With Access* to the customer account on the Partner Portal.
For more information about using *Log In With Access*, see Using Log In with Access.
2. Click **Video**.
3. Click **Settings**.
4. Using the Video Device dropdown menu, select the ADC-V729.
5. Click **Motion Detection**.
6. In *Motion*, click the Floodlight toggle switch to enable the PIR motion detection.

Motion

Floodlight 

Floodlight will be triggered by the floodlight motion sensor. This will not trigger any camera recording.

7. Using the *Light Shut Off Time* dropdown menu, select the desired timeframe for the light to remain on after it is activated.

Light Shut Off Time 30 seconds 

Light duration will remain on after last motion is detected.

8. Using the *Ambient Light* dropdown menu, select how dark it needs to be before the floodlight will activate.

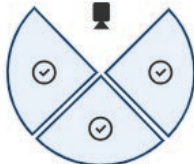
Ambient Light Twilight 

How dark it needs to be to trigger floodlight to turn on when motion detected.

9. In *Zone*, click to select the zones the ADC-V729 to activate when detecting motion.

Zone

Select the Zone area you want coverage on.



10. Use the *Sensitivity* slider to adjust the distance the ADC-V729 will detect motion.

Sensitivity



Low High

Note: The maximum range it will detect motion is 15 meters.

11. Click **Save**.

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PIR limitations

When utilizing PIR motion detection, keep in mind:

- PIR (Passive Infrared) detects changes in heat signatures. If the area is especially hot or cold, detection accuracy may be impacted.
- Ambient light sources can affect the Ambient Light setting and prevent the sensor from triggering if the light is bright enough.
- PIR is optimized to detect motion moving across the camera view, not motion moving towards the camera. The range is shortened for objects moving straight toward the camera.

Troubleshooting

If the sensor is missing detections, try the following:

- Confirm the camera and PIR sensor is angled at approximately a 30-degree angle toward the ground for best detection accuracy.
- Increase the PIR sensitivity to Far.
- Adjust the Ambient Light setting and ensure there are no other sources of light interfering with the sensor.

If the sensor triggers too frequently or there are false detections:

- Confirm there are no frequently moving objects (e.g., flags, waving bushes) within 6 feet of the camera.
- Confirm there are no hot objects (e.g., dryer vents or other heat sources) within the field of view of the camera. If there are, deactivate that section of the PIR field of view, or move the camera or object.
- Identify if there are high-traffic areas within 30 feet of the camera. If so, deactivate that section of the PIR field of view, or reorient or move the camera.

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