

Indoor / Outdoor P-CAM, lens masking

In certain situations you may need to eliminate part of the detection area to avoid nuisance detections. This is done by masking (covering) specific detection ZONES (areas) of the PIR lens. You can verify the detection zones by putting the system in "Functional Test Devices" (maintenance menu) and walk testing the coverage area. The internal P-CAM LED will flash when the PIR detects your body heat, per zone.

PIR component, detection ZONE patterns

P-CAM PIR component
Top - view showing the
four detection band
group layers

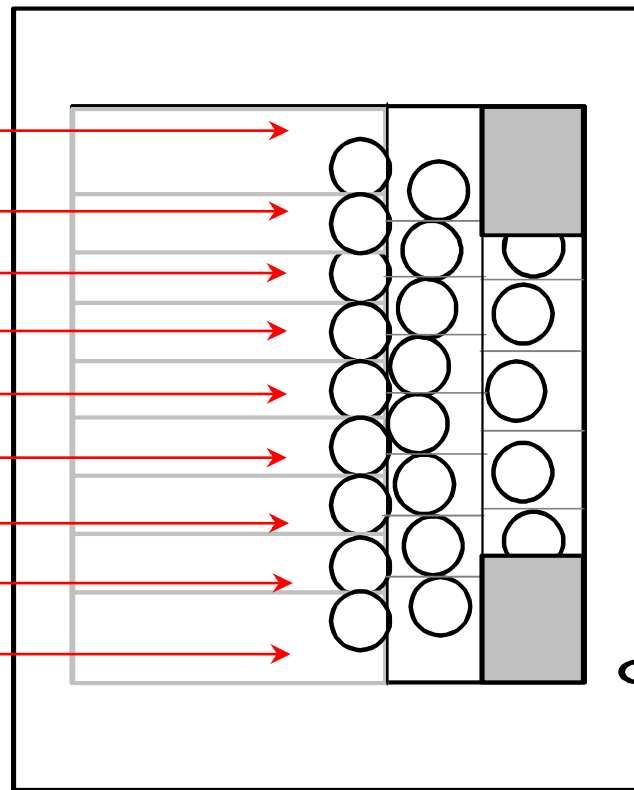
90°

P-CAM
mounted
7-1/2 ft
high

4-1/2 ft 13 ft 26 ft 41 ft

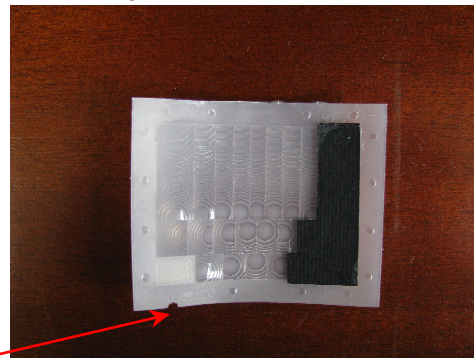
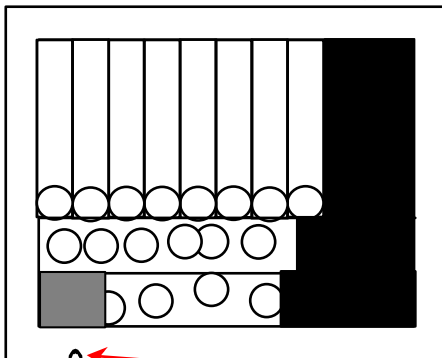
Side - view showing detection finger group locations

Group finger locations, or ZONES terminate into the ground at specific distances out from the P-CAM. The mounting height of the P-CAM will determine these distances. This is a critical installation consideration.



PIR Lens, looking from inside-out. The detection finger zones at left are made by the focus circles above. Masking the area not to be seen is done by covering the complete zone, including the focus circle. Use black paper securely glued to the inside of the PIR lens. Only cover the zones you do not want detection in.

The masked examples below shows a lens with the right-side masked off.



RSI Lens, looking at inside to out view (notice bottom edge, notch location)

Photo of Lens Masking

The Outdoor P-CAM lens is heat sealed to the body for a water tight seal. You must mask it off while it is attached to the body. You could remove a lens from an indoor P-CAM and use it for a template to draw and cut your mask.

Mask off the 2-right columns all the way down. The bottom row of columns are thicker and is why you see a slight overlap.

After re-assembly and installation, put the detector in 'Functional Test Devices' and walk test to verify a good mask job. Masking should be done with black construction paper, or black, light cardboard. Glue with a heavy bonding adhesive like: 3M Hi-Strength 90 Spray Adhesive(green can), follow directions on can for excellent bonding.