

Motion Detection System

As the world is progressing more liberal and richer, people are also getting more affluent one by one and day after day. As a result of this fast growth, material possessions and expensive valuables are easily seen everywhere outside. Now luxury cars, diamond necklaces, gold jewelry, designer clothes or big premises are few items, which can become an article of burglar's longing and can pose a great threat for the owner of getting it stolen or damaged. Such an exhibition of affluence has alarmed growing needs of security for life and belongings. The way such threats are becoming more prominent with the growing crime index, the security devices are also picking their strength up in confronting such intimidations. There is variety of security and surveillance devices available in the market today.

One such category includes motion detectors, which is a very strong means of covering your indoor or outdoor residential or business premises. Motion detectors have a range of devices, such as standard indoor motion detectors, waterproof outdoor motion detectors, and motion detector cameras that cover the surveillance aspect of security all around. These motion detector cameras are a better option because they don't require any storage like film or hard drive recording. It is very simple to use and easy to install. If you have a business premises such as a warehouse or a factory premises that needs to be secured 24X7 hours a week, the outdoor and indoor motion detection cameras can be a better choice. These detectors can take an immediate action the moment they detect some motion.

How IT Works?

The user can define various rectangular areas in the camera image to monitor. Each of these areas can be assigned a separate set of parameters in order to respond to different circumstances. The motion detection is a two-stage function. First of all, a check is performed to determine which of the pixels in the specified image field have changed. This is done by way of a pixel-for-pixel comparison with the previous image and by checking whether the set percentage threshold (1st parameter) has been exceeded for this image field. In a second stage, a check is then performed to determine whether the number of pixels which are detected as having moved exceeds a specified area portion (2nd parameter) within the field being monitored. The motion detection function operates best if the size of the detection areas is adapted in line with the size of the object being detected. It is advisable to detect motion via several small areas which are positioned at the most important places in the camera image (for example a door) instead of across a single analysis area comprising the entire image.

Overall Features:

- o Connection for up to four local cameras and four remote cameras
- o Ability to upgrade to 16 local cameras and 16 remote cameras
- o Real time view (simultaneous from all cameras)
- o Motion detection
- o Multi-select sensitivity on motion detection

- o Video recording with M-JPEG compression to your fixed drive
- o Playback of recorded files
- o Matrix display options
- o Frame Rate control by camera
- o Email snapshot
- o Alarm system integration
- o Email alert with Snapshot and "Snapshot Manager"
- o Alert Wizard. Camera selectable Email alerts/Phone alerts/ SMS alerts/ MMS alert/ Guard alert (Guard Alert Automatically uses your dynamic IP address. Auto integration with our solution)
- o Phone alert with message play with multiple "WAVPLAY"
- o Audio alert, support with "WAVPLAY"
- o "WAVPLAY" file play for audio alert
- o Support high resolution display and playback with auto size manager
- o Remote access with user adjustable JPEG compression
- o Password protection by camera
- o Remote recording functionality
- o Remote real-time viewing capability (simultaneous from all cameras)
- o Multicast – More than 1 remote user at the same time for View/Record, Multi-remote location management
- o Multiplex – View all cameras on screen at the same time
- o Activity/event log and confirmation
- o Supports certified multiport capture cards and IP cameras
- o Background Mode Operation with arm/disarm ability