

## DS1-PL

## Digital Video Motion Detector

Foreign and domestic governments along with private contractors worldwide depend on the DS1-PL to secure areas with people or vehicles. Powerful and sophisticated real time video processing achieves 52MiPs of computing power. The straight-forward design allows for easy installation and programming for all applications.

### Standard Features

#### Unit Configuration

The **DS1-PL** can be configured to operate in 1 of 5 different modes: Motion, Motionless, Direction Detection, Museum Mode or PTZ

#### Motion Detection Parameters

The **DS1-PL** has 5 motion detection parameters for true outdoor performance. Up to 8 zones (A-H) can be defined independently with the following parameters which makes the **DS1-PL** equal to 8 VMDs in one unit using one camera view.

- 1) **A pattern grid** of 288 definable areas overlay the video image when setting up motion detection. Each of these areas on the grid can be independently turned on or off. This creates inactive areas where motion detection is not needed and active areas where motion is detected.
- 2) **Tracking** or the target velocity setting reduces false alarms from transient or unwanted motion that exceeds the speed of the desired motion. This feature can ignore lightning, birds flying through the scene or fast moving vehicles on a roadway while detecting human walking or running motion.
- 3) **Target Size** setting allows for alarming based on a minimum required object size. This allows the unit to reliably distinguish between people and small animals.
- 4) **Sensitivity** settings compensate for low light or low contrast situations. This assures reliable operation in a variety of lighting conditions.
- 5) **Direction Sensing** can be programmed by pairing zones to achieve up to four directions (A>B, C>D, E>F, G>H)

#### Viewing Modes

The **DS1-PL** offers several viewing modes that reduce viewing fatigue and facilitate the assessment of on-screen information.

**Trace Mode** outlines moving objects with a “sparkle effect” and is available in four variations:

- 1) **Normal Trace Mode** - an instantaneous sparkle effect view of the motion.
- 2) **Trace Memory** - allows the trace to accumulate on-screen continuously.
- 3) **Trace Memory / F** - flashes the accumulated memory allowing to view the underlying scene clearly.
- 4) **Trace Memory / S** - this mode accumulates the memory on-screen in 1 second intervals to clearly see the target outline and motion direction.

**Blackout Mode** leaves the screen black except during alarms, thus reducing viewing fatigue.

**Blackout and Trace Modes** can be combined to show only a black background overlaid with the trace caused by movement in the scene.

