

# ioimage Intelligent Video Analytics

## Advanced Edge Based Solution

DVTel's Award Winning Smart Security Solutions™ for video surveillance protect critical infrastructure and other high value assets through its leading-edge IP camera technology and advanced ioimage video analytics – all integrated into our powerful, customizable Latitude Network Video Management System software.

### ioimage Highlights

- ioimage world class analytics are the industry's undisputed leader in outdoor intrusion detection.
- ioimage intelligent video analytics are field-proven with thousands of deployed units including military bases and borders, nuclear facilities, international airports, legislative buildings, vehicle manufacturing, national landmarks, distribution warehouses, railroads, automobile dealerships, religious institutions, petroleum and critical infrastructures and a wide variety of private sector sites.

### Edge Based Analytics: The ioimage Distinction

- On-board analytics: All ioimage analytics are edge based, delivered in our cameras and encoders.
- Video analytics enabled appliances are easy to install and set up in minutes.
- Intelligent video detection is configured using a web browser and the DVTel Latitude NVMS software.
- The analytic algorithm is optimized to run on a DSP based appliance.
- Eliminates sharing and overloading of PC resources for intelligent video processing, PC operations problems and network latencies.
- Images are processed before compression which otherwise would reduce image quality and detection capabilities resulting in increased probability of detection and lowered false alarm rates.

### ioimage IP Cameras



#### xptz

The xptz is an IP PTZ all-weather, day/night camera with the ability to automatically detect and track intruders and vehicles. The xptz offers self-driven, vision-guided, autonomous (robot-like) tracking to ensure a continuous visual of a trespasser or vehicle intrusion without operator intervention.

Save on quantity of cameras and installation costs with xptz: Use one xptz camera and one fixed camera to cover large areas rather than many high resolution cameras which consume a lot of storage and network bandwidth. The xptz autonomous tracking provides a close up view for identification of intruders and the fixed camera provides a field of view of the total area and when they are synced together the combined images establish virtual perimeters which results in major savings of storage and bandwidth.



#### mmp

The mmp is a multi-megapixel intelligent video camera with unique Picture-In-Picture (PIP) capabilities for digital PTZ type identification, tracking and real-time alert monitoring.

The mmp camera zooms in to focus on details while maintaining the field of view in the background. Upon detection, the camera digitally zooms in on the detected object and displays it in the PIP window.

#### wdc: Ultra-Wide Dynamic Range

- Compact all-in-one
- Outdoor color, day/night
- Pixel auto-adjustment to provide clear visibility at all times

#### sc1: Entry Level VGA intelligent Surveillance Camera

- Compact all-in-one
- Outdoor color, day/night
- Exceptionally low noise levels and low light performance

# ioimage Intelligent Video Analytics

Advanced Edge Based Solution

## ioimage Encoders



### ioibox Series

- includes a range of intelligent video encoders that enhance standard security cameras and systems by infusing powerful video analytics that automate indoor and outdoor video surveillance, scenario detection and alarm event responses.
- Whether inserted in a camera enclosure, on a shelf or rack mounted, ioiboxes are designed for simplicity and can be installed and configured within minutes.

## Analytic Behavior Highlights

### Intrusion Detection:



- Automatically detects prohibited movement scenarios
- Regional entrance detection
- Boundary violation detection
- Fence trespassing detection

### Object Removal Detection:



- Detects the removal of stationary objects
- Delayed alarm notification for object retrieval

### Autonomous PTZ Tracking:



- Detection on preset
- Manual selection of object tracking
- PTZsync automatic object handoff from a fix camera

### Stopped Vehicle Detection:



- Detects vehicles stopped in a controlled area
- Immediate or delayed alarm notification

### Unattended Baggage Detection:



- Alarms when an items is deposited in a controlled area
- Ignores items attended by a nearby person
- Detects disguised objects

### Loitering Detection:



- Detects when a person remains in the area for a prolonger period of time
- Adjustable alert time for different scenarios

### Tamper Real-Time Camera Status Notification:



- No video signal, bad video signal, camera position shift, low visibility

## Mobile Video Analytics

At your finger tips even when on the run, our iPad and iPhone Mobile Security Apps allow security personnel to receive email, SMS or reports to follow up remotely on analytics events processed by the Latitude NVMS.

Nothing comes close to DVTel's Smart Security Solutions Suite.

