



Quadrox Video Analytics – Clear Sight, Clearer Insight

QVA adds real value to any CCTV installation in a simple and cost effective manner through use of its powerful intuitive tracking engine.

Benefits

The system offers the following overall benefits:

- High quality tracking engine
- Quick and easy to use – intuitive patented 3D graphical interface
- No algorithm parameters
- Cost-effectiveness

Tracker

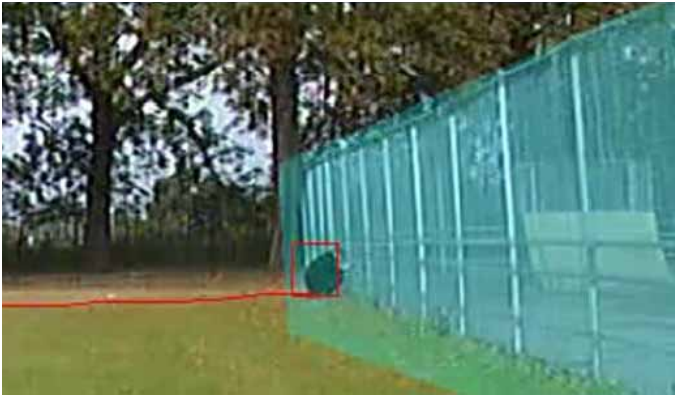
This high-end tracking engine, which is the basis of the system, offers a wide variety of intuitive, intelligent functions:

- Tracks up to 100 targets simultaneously
- Up to 40 general purpose, user-defined, polygonal detection zones
- Tracks objects when they stop or move very slowly
- Continues to track objects which pass each other, ensuring that the trail is continuous and unbroken
- Continues tracking when objects are partially or completely obscured temporarily
- Adjusts to image degradation caused by rain, fog, dirty camera lens and low sun position causing dazzle
- Ignores changes in light due to clouds and switching on artificial lights or camera auto-iris operation
- Ignores repetitive movement
- Ignores cloud shadows passing across the ground
- Ignores video interference and missing video frames



- Tracks objects on 100% of screen area (except in any non-detection zones as defined by the user)
- Primary intrusion detection:
 - The Presence filter detects when an object, person or vehicle is inside or crossing a zone or a line
 - Detection zones are polygonal with a variable number of vertices so that any shape can be supported
 - Detection zone can also be a line, which can have one or many segments
 - Includes non-detection zones for masking possible sources of false alarms
 - Fast moving objects are detected even if they pass through the zone or line quickly
- Tamper detection: alarm is triggered for cameras no longer providing effective coverage due to being obscured by a plastic bag, a spray painted lens or moved from its correct position

Functionality

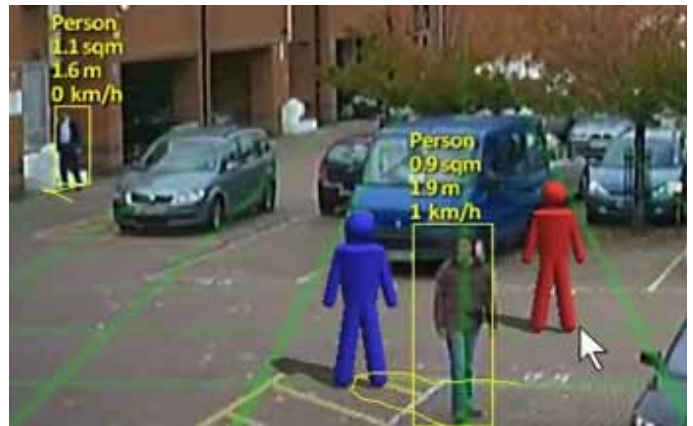


The high performance of Quadrox Video Analytics is due to the underlying high quality tracker. It results in a much lower false alarm rate and higher detection rate.

QVA offers advanced activity detection, far more advanced than any standard Video Motion Detection (VMD) solution currently available.

MAJOR BENEFITS

- Unique, easy to use, patented 3D calibration suitable for overhead and side-viewing cameras
- On-screen display of object classification, speed, area and height
- Speed filter with upper and lower speed thresholds
- Filter on object class
- Object classes can be changed by the user
- Includes full forensic metadata stream in XML format for customer use



ADDITIONAL FEATURES

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| Configuration interface makes it easier to use | <ul style="list-style-type: none"> • Transparent grid • Ability to pan and roll grid controlled by slider • Ability to add extra mimics • Rendering of horizon |
| Load and save QVA configuration | Enables the exporting and importing of the entire VCA configuration instead of only rules and zones. |
| Megapixel support | The video analytics functionality is fully supported in megapixel camera offerings. |
| Additional advanced QVA settings | Additional advanced settings include tracking options enabling a minimum tracked object size to be set. Objects smaller than the specified sizes are totally ignored by the tracking engine. Furthermore, the user can specify how long alarmed objects and track annotation are displayed. |

