

# QUORUM DETECT

*Software module combining several video content analytics into a single user interface allowing video streams to be presented to third party, best of breed analytic solutions*

Quorum Detect server software enables a wide range of video analytic algorithms to be applied to IP camera and encoder video streams. The generated events can then be combined to provide alarm conditions.

## ■ Key Benefits

- Platform-independent software supports IP video streams from over 19 manufacturers
- Operates on a standard Windows PC platform
- Controlled using either built-in web pages or the Quorum View application
- Detailed alarm information
- Scalable - add additional channels as required
- Future proofed - modular architecture approach allows algorithms from various and differing manufacturers to be combined

## ■ Integration

Using Codestuff's award-winning platform-independent software, Quorum Detect has access to over 19 manufacturers' IP video streams, supporting analogue video capture, USB web cameras, mega pixel cameras and H.264 video streams.

## ■ Operation

Quorum Detect operates as a software service installed on a standard Windows PC platform. Configuration and control can either be via the built-in web pages, via the interface of Quorum View or using one of the many Codestuff-based management suites on the market.

## ■ Analysis

Streams of video are targeted by preconfigured analysis sessions or jobs. Choose a camera, select the analysis algorithm to perform, then adjust sensitivity and region of interest to suit the local conditions. Once enabled, the session provides events to the rules engine for logical and heuristic combination and ultimately to generate an alarm condition.

## ■ Alarms

The generated alarms provide algorithm-specific information such as licence plate read and percentage of accuracy, the number of faces detected, etc., and a still image of the event, to allow manual confirmation of the alarm.



When alarms are combined with a Codestuff recording solution, video footage can be searched and stepped through event by event for occurrences such as the presence of a human face or vehicle activity, making extended period searches quicker and less error prone.



## ■ Modules

Built with a modular approach to allow disparate algorithms to be combined, Quorum Detect currently offers a choice of Automatic Number Plate Recognition (ANPR/LPR), Facial Detection and Motion Detection, with future plans to integrate Facial Categorisation, Facial Recognition, and Behavioural Analysis, including Object Video metadata streams.

This is all achieved by utilising Quorum Detect's ability to harness powerful algorithms from third party software and hardware manufacturers within a single solution.

## ■ Scaleable

A basic Quorum Detect system can be scaled up by adding additional channels as required. It is limited only by the chosen platform's computing power.

Likewise, algorithms can be added as and when they become available ensuring your analysis system is future-proof.

## ■ Flexible

A Quorum Detect server only needs to have the required algorithms licensed ensuring installation costs truly reflect the system requirements. Why choose expensive video content analysis cameras when Quorum Detect can provide the same benefits using more basic, less expensive cameras.

## ■ PC Specification

Typical PC required for up to 16 streams of ANPR, or 8 streams of Facial/Motion Detection:

- Processor: 32- or 64-bit architecture using 32-bit OS
- 2GB DDR2 RAM
- 1Gb/100 Ethernet NIC
- 32-bit operating system, such as Windows XP Professional, service pack 3, or greater
- .Net Framework 3.5
- Direct-X 9.0

## ■ Supported Manufacturers

- ACTi
- Axis
- Arecont
- Bosch Autodome
- Ganz
- IQInvision
- MangoDSP
- Mobotix
- NetVu (DM)
- Pelco
- Vivotek

