



INTELLIGENT AND CENTRALISED SECURITY MANAGEMENT

Joint Value Proposition

The Security Market faces many challenges in monitoring and managing an entire security operation, especially when it comes to multiple sites or large-scale perimeters. Various security systems are involved for efficient situation awareness and incident management. There are multiple data sources and platforms to use and manage. Besides to the need to train and update security operators to use these different systems.

Mirasys & FAST Systems provides an intelligent and centralised join solution for the safety of cities and places.

Mirasys Video Management System gathers, stores, processes and provides data from cameras and other related sensors to both small and large installations. The data extracted gives customers and the ability to improve security, optimize processes and, decrease the need for human monitoring. Mirasys VMS provides safe data storage and enhances the video data usage by an intelligent video analysis and reports.

FAST Systems security and safety management platform offers operators in command and control centers superior situational awareness and a completely integrated situation management solution unifying all security systems and data sources. The platform ensures improved situation response times for any safety and security solution by offering greater efficiency and major cost savings.



Centralised system easy to install, configure and maintain



Scalable platform from a compact version on a single server to a complex, worldwide distributed solution on multiple servers



Over 8,000 compatible camera models with native driver support + standards like Onvif, PSIA, RTSP



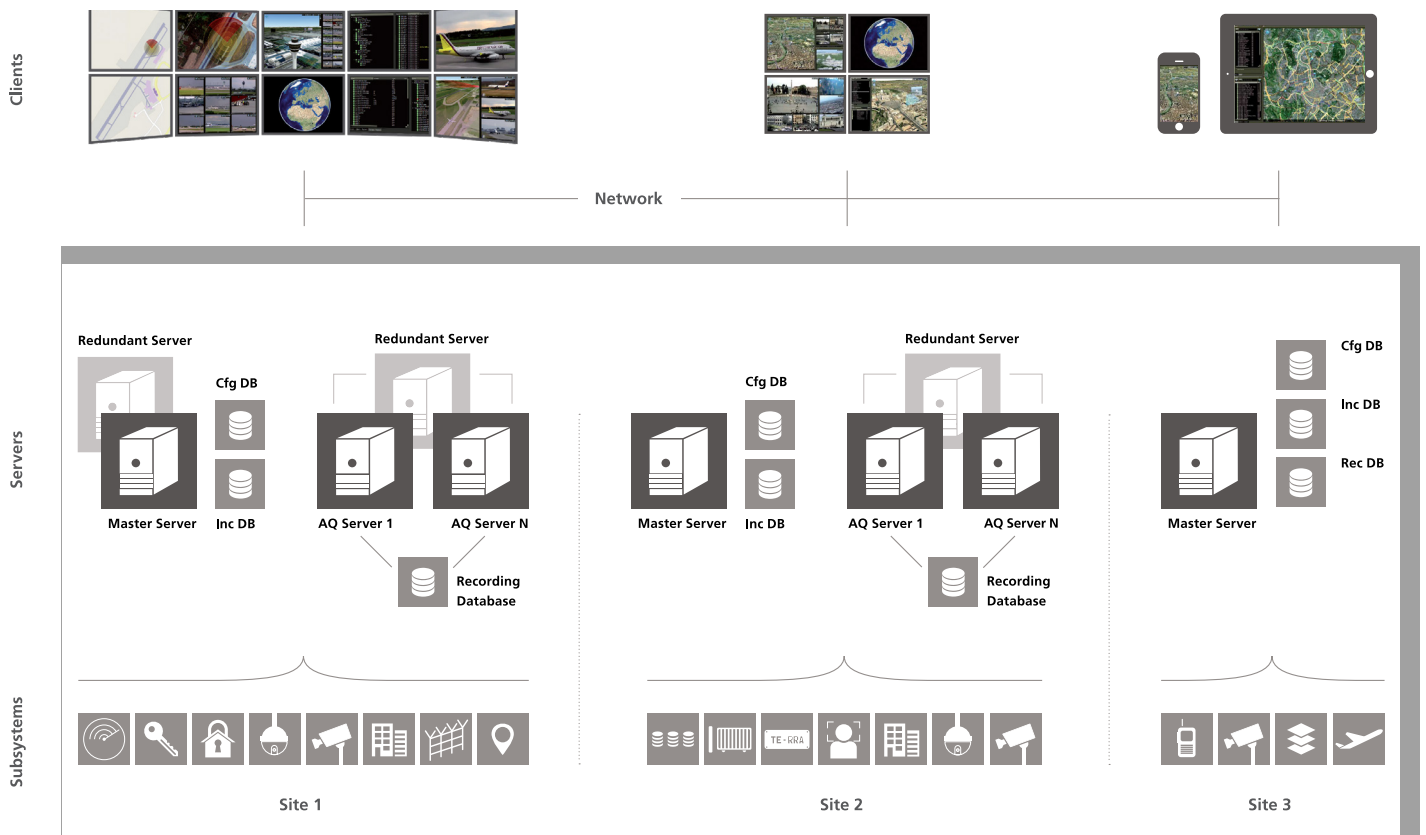
Wide integrations to 3rd party systems: POS, Access Control, Fire / Security Alarm, Perimeter Security and, other solutions

MIRASYS & FAST SYSTEMS JOINT SOLUTION

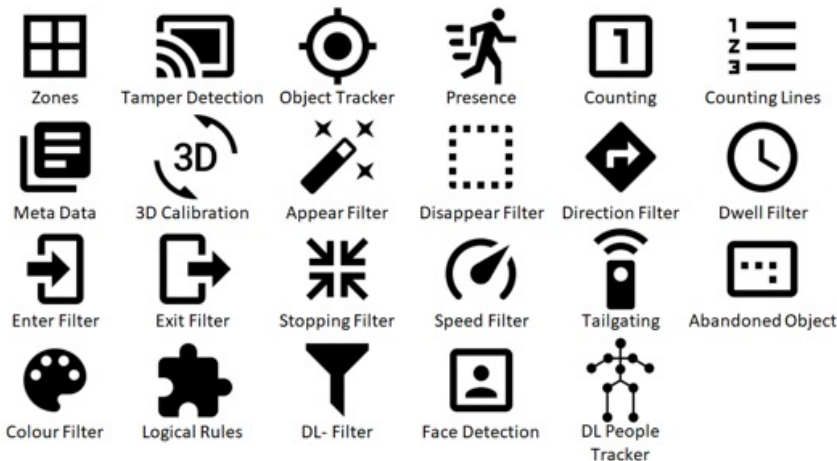
FAST Systems' TERRA 4D platform in combination with Mirasys VMS is build on a clever system architecture design that addresses the following technical challenges:

- Scalable from a compact version on a single server to complex, globally distributed solution running on multiple servers;
- Support of multi-sites operations;
- Autonomous site operation in case of site isolation;
- Redundancy for each critical part to avoid a single one point of failure;
- Designed to securely receive, analyse, visualize in 3D, retrieve and share data across multiple agencies and users;
- Reliable and secure architecture consisting of management server, acquisition server, operator client workstation, videowall and mobile clients;
- Centralized user access management, cross client chatting, selective data exchange across all users;
- Support of virtualisation.

TERRA 4D MULTI-SITE ARCHITECTURE



MIRASYS VIDEO CONTENT ANALYTICS FEATURES



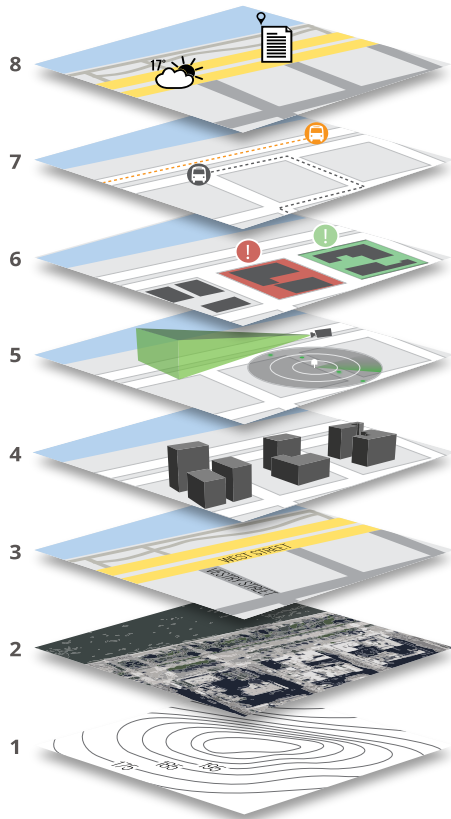
Mirasys Video Content Analytics

Mirasys AI-based VCA is a powerful management tool with intelligent analysis, investigation and reporting of the data captured from cameras and other devices. The solution counts with a meta-data warehouse for real-time and post-incident analysis.

MIRASYS & FAST SYSTEMS JOINT SOLUTION

TERRA 4D is based on a 3D geographical information system. The Digital Terrain Model (DTM) represents a 3-dimensional elevation layer of the ground. Satellite imagery, current and historic aerial photos are overlaid.

The system translates unstructured sensor and system data into structured data and displays it in a geographical context, offering superior real-time situational awareness. Operators of TERRA 4D solutions can fly through time and space having virtual "eyes-on-the-scene".



8 - INFORMATION

Weather, crisis, documents, addresses, points of interest

7 - MOBILE UNITS

Current positions, 2D and 3D avatars, history tracks

6 - EVENTS

Events or alarms as 2D/3D avatars, alarm zones

5 - CCTV CAMERAS AND SENSORS

Mounting positions and current field of view, radars and perimeters

4 - BUILDINGS

3D buildings, photo-realistic or artificial texture, buildings with inner 3D structure

3 - STREET MAPS

Roads, footpaths

2 - ORTHO IMAGERY

Acquired by satellite, aircraft, UAV

1 - DIGITAL TERRAIN MODEL

Elevation data, representation of terrain surface

ABOUT MIRASYS & FAST SYSTEMS

Mirasys is one of the leading suppliers of open platform Video Management Systems (VMS). Mirasys intelligent surveillance system is used for perimeter protection, building management, loss prevention, and operational efficiency by customers from many industries in over 40 countries. Based in Finland, the company operates through sales offices and Mirasys representatives in cooperation with leading distributors, system integrators, security service providers and system manufacturers. More than 70.000 customers worldwide use Mirasys systems with nearly one million cameras. Mirasys VMS is an intelligent video platform based on openness, easy install-use software, data security, and win-win partnership.

FAST Systems is a Swiss-German high-tech company and a pioneer in the field of digital security and surveillance technologies. The core R&D team started 1995 to develop one of the first digital video surveillance systems. This system was successfully distributed worldwide with more than 300.000 installed video channels in over 15.000 installations. The product **TERRA 4D** is a vendor-agnostic security and safety management platform. It offers operators in command and control centers superior situational awareness and a completely integrated situation management. The solution provides tools that significantly increase control, accelerate response, improve efficiency and reduce operating costs in every phase of the security management lifecycle.



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