Intelligent Surveillance

MEGAsys Intelligent Video Surveillance Solution, powered by ObjectVideo's numerous patented algorithms, consisted range of MEGAsys intelligent Sensor Unit and a variety of management software. These solution offer centralized configuration and management tools, high quality and high performance distributed intelligent video analysis, effective and optimizes use of IP network, support for flexible alert processing and high level graphical user interface.

Solution Advantages

- Reduces overall system complexity and maintenance
- Lowers implementation and lifecycle costs
- Lowers the long-term cost of ownership
- Improves system performance
- Reduces hardware footprint to better support space-constrained environment
- Enables portable and mobile surveillance solutions
- Optimizes utilization of network bandwidth and storage
- Provides the ability to selectively stream network video when required
- Makes multi-use technology for applications other than physical security possible

Solution Capabilities

OBJECT DETECTION, CLASSIFICATION & TRACKING
Intelligently discern object of interest, distinguish humans from verticals, and continuously track positions and descriptive info for all moving or stationary targets.

RULE-SPECIFIC INTERLLIGENCE
Users create rules to mimic defined security policies. Rules are processed within the intelligent sensor unit for real-time comparison to the video analysis for and generation of actionable alerts. Available rules include detection of objects crossing single or multiple video tripwires, entering or exiting areas of interest, appearing or disappearing, left behind or taken away, and loitering.

OBJECT COUNTING TOOL[2]
Users may add object-counting capabilities to existing security-driven rules, or create new rules specifically for counting events and/or determining occupancy. Users design various counting scenarios, such as tracking the occupancy of an area, regardless of whether there is one entry/exit point or multiple points.

MULTI-VIEW
Pan-Tilt-Zoom (PTZ) cameras are essential threat assessment tools found in almost every CCTV environment. MEGAsys adds intelligence to any PTZ camera by allowing multiple camera views/positions to be defined, each with their own unique set of security rules. MEGAsys automatically recognized which view the camera is using and quickly engages the appropriate rule set.

SOFTWARE DEVELOPMENT KITS
The open architecture of the MEGAsys system empowers system integrators to quickly and easily integrates our products within their own solutions. A robust API framework guarantees plug-and-play inter-operability with any device or existing environment. The MEGAsys SDK also includes functionality for re-branding our current interfaces, designing and building new, or integrating with existing user applications.

*1 Consult MEGAsys for availability   *2 Based on Object Video OnBoard v4.0 Consult MEGAsys Engineers

Sample application of IVA include:
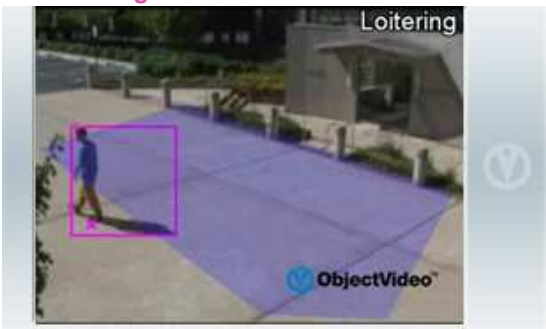
1 · Identity and Classify

2. Polygon Area

5. Steal

3 · Tripwire and Multi-Tripwire

6. Leave Behind

4 · Loitering

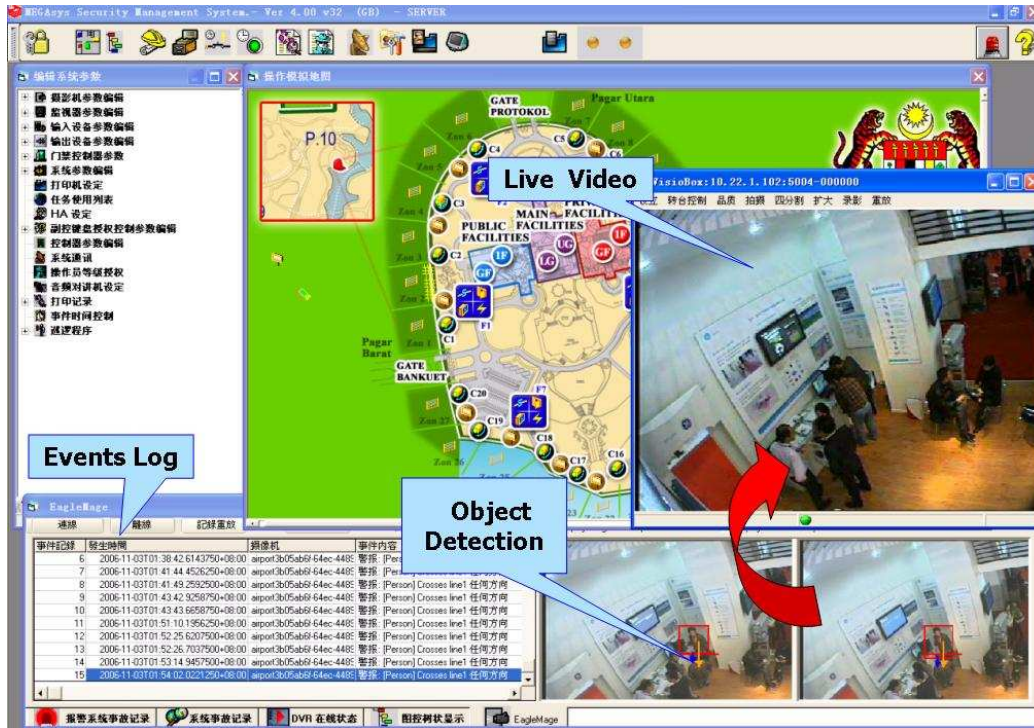PRODUCTS THAT MAKE SURVEILLANCE SYSTEMS SMART

Overview

MEGAsys Intelligent Sensor Units have especially been designed to allow cost effective, fast, simple and easy deployment of intelligent video surveillance systems in all areas where high video security and monitoring is required. MEGAsys Intelligent Sensor Units are available in several different models in order to answer to various needs which may range from basic to enhanced video content analysis.
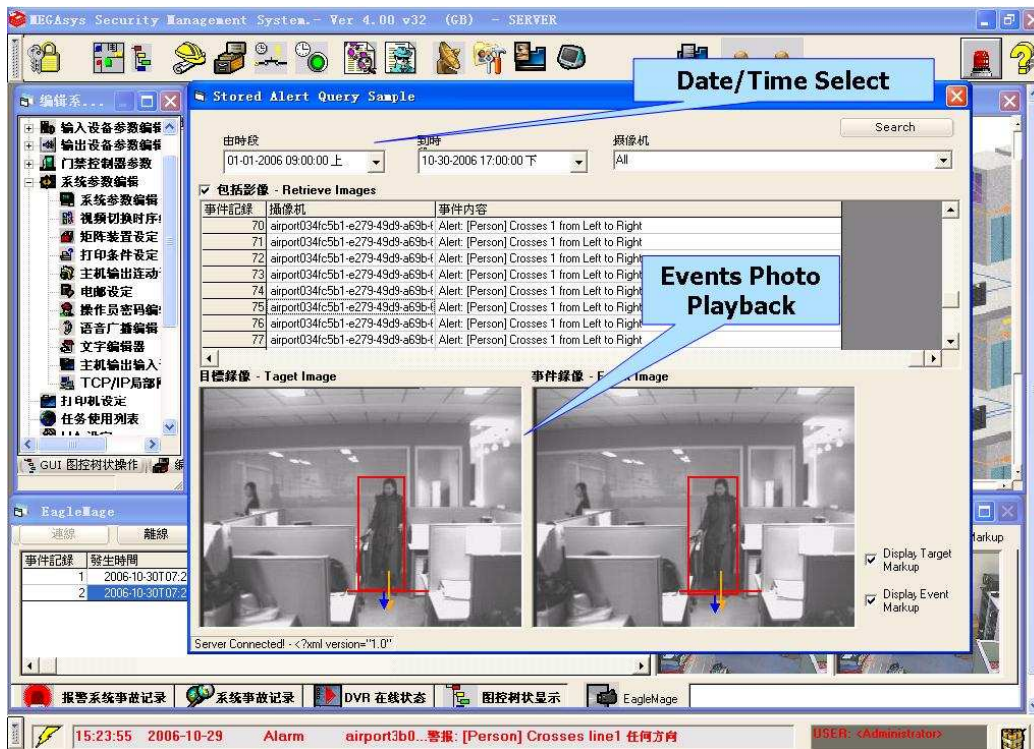
Key Features

- Compact rack mountable equipment for real time video analysis[1]
- Industrial chassis with front access for all video ports, the network interface and LED indicators
- Up to two independent video processing channels[2]
- High quality analog video loop-back outputs
- Isolated GPIO, RS-232 and RS-485 serial ports
- Upgradeable via IP network
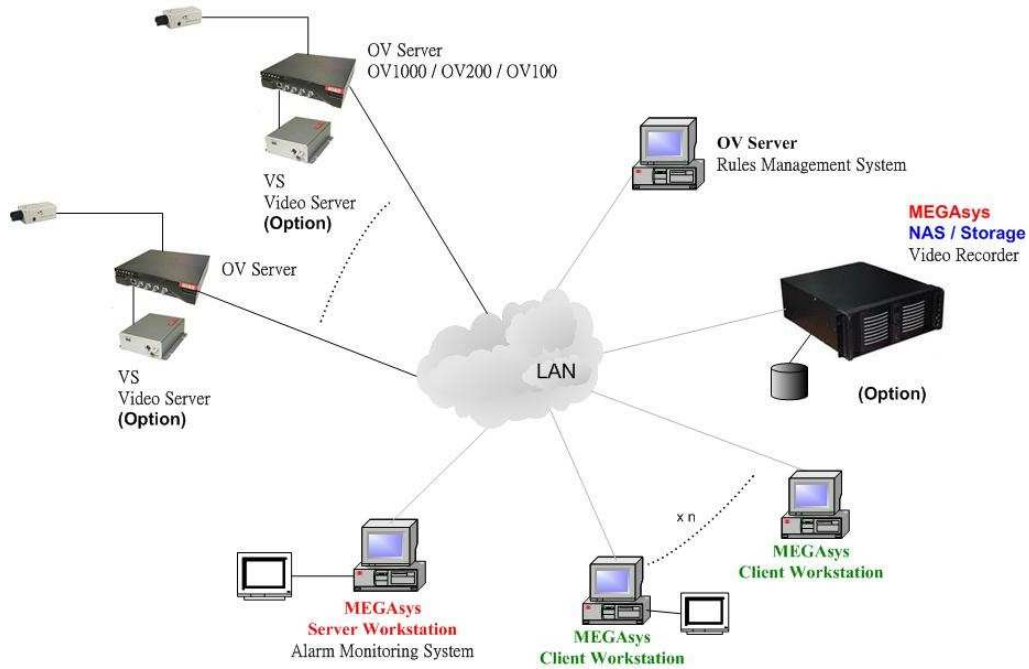

MEGAsys Client/Server Working Station:

MEGAsys History Playback

SYSTEM STRUCTURE:

Specifications

Function	OV-100	OV-200	OV-1000
Object Classification	v	v	v
Tripwire Event Detection		v	v
Multi-Line Tripwire Event Detection			v
Inside of/Loitering/Leave Behind/Take Away			v
Object Size Filters	v	v	v
Object Size Change Filters	v	v	v
Multi-View		v	v
Enters/Exits/Appears/Disappears	v	v	v
Gross Change Event Detection		v	v

OV1000/200/100
Physical Specification

1 x Video Input

1 x Video loop output

1 x 10/100M Network LAN RJ-45 Port

6 x GPIO Interface（4 Output，2 Input）

1 x RS-485 Interface

1x RS-232 Interface

220mm(w) x 43.6mm(h) x 190.5mm(d) (1U, Half-19")

85~264VAC Input, 15W