

Intelligent Video Analytics

ACTIVE ALERT®

Honeywell's Active Alert® video analytics suite of products enables enhanced security and surveillance solutions by automatically monitoring video for specific people, vehicles, objects, and their associated behaviour within a camera view. Active Alert can provide real time alarms based on user defined rules to detect abnormal or suspicious behaviour without the need for human supervision. This powerful capability enhances both manned and unmanned operations by working 24/7, reducing the amount of video data operators must review, and enabling a high level of monitoring for any size of video system.

Honeywell Active Alert software is accurate and high performing and is capable of monitoring and analysing the behaviour of up to 20 objects per camera view, both indoors and outdoors. The suite of solutions includes 'Base', 'Standard' and 'Premium' packages as well as 'People Counter' and 'Smart Impressions®' options. Each of these enables a different set of detectable behaviours.

The Active Alert 'Base' package includes basic people and vehicle movement behaviour detections. The Active Alert 'Standard' package builds on the 'Base' package by adding the ability to discern more advanced behaviours such as person jumping a fence line or loitering and vehicles parked or pulled off the road. The Active Alert 'Premium' package builds on the 'Standard' package by adding the ability to detect abandoned or removed objects and possible theft incidents.

Market Opportunities

The Honeywell Active Alert suite of products is an ideal solution to enhance a facility's current level of security or to optimise the use of current personnel resources. Honeywell Active Alert can be used as a standalone solution or in conjunction with a compatible recording system with local and remote management capabilities. The user interface is intuitive, user friendly and easy to maintain, regardless of the system size. Powerful data search tools enables almost instantaneous access to events and alarms.

Typical applications include exterior perimeter protection, controlling restricted areas and detecting of behaviours that are precursors to potentially dangerous or illicit situations.

Features:

- Real-time scene analysis and alarms based on user definable rules
- Rich set of detectable events and behaviours to suit a broad set of system requirements
- Accurate indoor and outdoor applications with patented technology to reduce false alarms
- High performance software that minimises the need for excessive PC hardware
- Powerful onsite or remote configuration capabilities
- Powerful search tools for instantaneous retrieval of incidents
- Ability to provide voice, visual, relay closure, e-mail, or cell phone alarm



Intelligent Video Analytics

SMART IMPRESSIONS®

Honeywell's Smart Impressions® video analytics software provides the data that tracks the movement of people and vehicles to help end users better understand their operations.

It provides real-time counting data of people and vehicles entering or exiting a camera scene. Two innovative analytics algorithms include the ability to track people entering a target zone and how long they dwell in the area. This data can provide businesses with powerful insight into the design, use, and efficiency of operations.

Smart Impressions is high performance software capable of accurately monitoring indoor and outdoor scenes 24/7. Custom reports can be configured to perform statistical analysis of people or vehicle traffic patterns. The software also provides the ability to instantaneously retrieve the images of these people or vehicles. This innovation enables video to move beyond security applications and to provide valuable business data and insight that may otherwise never be fully utilised. It can be used as a standalone solution or in conjunction with a compatible recording system with local and remote management capabilities. The software user interface is intuitive, user friendly and easy to maintain regardless of the system size.

Smart Impressions video analytics software provides the data that enables end users to better understand their operations and potential revenue opportunities.

People Activity:

By counting and reporting the number of people entering and exiting as well as providing information on dwell time and entering target zone data, managers can better understand their closing ratio and opportunities for operational improvements.

Smart Impressions also provides key components to track the effectiveness of merchandising, advertising, promotions, window changes and location changes.

Combining Smart Impressions data with other operational data provides you the methodology to accurately:

- Increase customer service during key selling periods
- Reduce costs during slow selling periods
- Determine effectiveness of advertising expenses and promotional campaigns
- Determine the effectiveness of merchandising, displays, end caps, window changes and location changes
- Drive accountability

Traffic Activity:

Smart Impressions' ability to count vehicles adds a new dimension in analysing roadway and parking operations, including design, safety, revenue opportunities and detection of problems and deficiencies. Traffic counts are critical to understanding traffic conditions, growth, and planning for long-range road improvements and resurfacing of roadways. It drives the data necessary for:

- Roadway geometry analysis
- Planning for roadway improvements and maintenance
- Estimates of revenue
- Location and design of roadway routes
- Signal timing
- Omissions control
- Design of control and safety systems

Features:

- Ability to count people and vehicles
- Target zone data for people or vehicles entering and remaining in target zone
- Real-time scene analysis and counting data based on user definable rules
- Accurate indoor and outdoor applications with patented technology to reduce false alarms
- Powerful custom reports enable statistical analysis of people or vehicle traffic
- High performance software minimises the need for excessive PC hardware
- Powerful onsite or remote configuration capabilities



Intelligent Video Analytics

PEOPLE COUNTER

People Counter provides the data that enables end users to better understand their operations and maximise potential revenue opportunities. By counting and reporting the number of people entering and exiting a specific area, managers can better understand their closing ratio and identify opportunities for improvement.

People Counter provides the key component to determine your close ratio. Transaction, sales and staffing data can only truly be interrupted by adding traffic information to the equation. Combining traffic data with other operational data provides end users with the methodology to accurately increase customer service during key selling periods, reduce costs during slow selling periods and determine effectiveness of advertising expenses and promotional campaigns.

People Counter is an ideal solution to accurately automate the gathering of data relating to people entering and exiting a site that can be used for a variety of purposes. This innovation enables video to move beyond security applications and to provide valuable business data that may otherwise never be fully utilised. It can be used as a standalone solution or in conjunction with a compatible recording system with local and remote management capabilities. The intuitive user interface is user-friendly and easy to maintain regardless of the system size.

Understanding key selling periods and reallocating staff is the most cost-effective and time-efficient means to increase total sales. People Counter reports on the following events to provide data to organisations to increase revenues and plan more effectively:

Counting Events:

- Person counted as entering
- Person counted as exiting



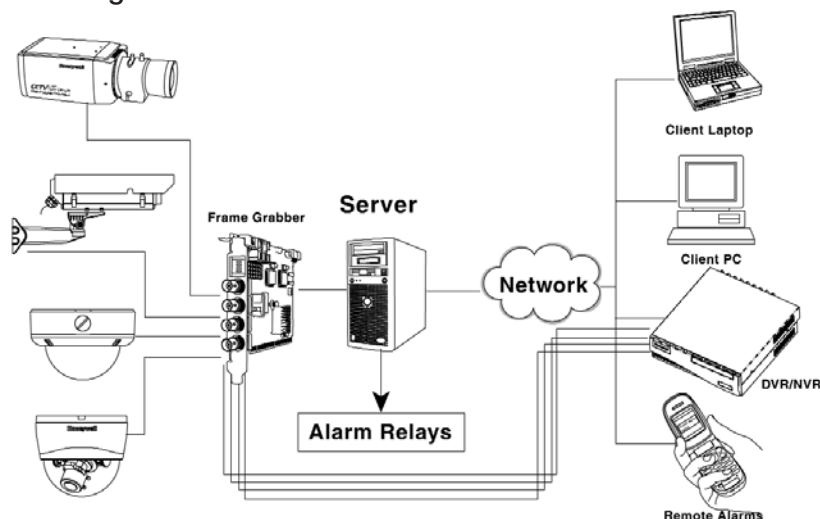
Video / Camera Events:

- Video signal lost
- Video signal restored

Features:

- Directional counting gives users the ability to count people entering and exiting
- Accurate indoor and outdoor applications with patented technology to reduce false alarms
- Powerful custom reports to enable statistical analysis of people traffic
- High performance software that minimises the need for excessive PC hardware
- Powerful onsite or remote configuration capabilities

Server Based System Diagram



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SYSTEM REQUIREMENTS AND ORDERING

Suggested Minimum System Requirements for Video Analytics Suite

Component	4 Channel PC	8 Channel PC	12 Channel PC	16 Channel PC
Processor	1 x Intel P4 3.0 GHz	1 x Dual Core Intel Pentium D 935 3.2 GHz	2 x Dual Core Intel Xeon 5120 1.86 GHz	2 x Dual Core Intel Xeon 5140 2.33 GHz
FSB	800 MHz	800 MHz	1066 MHz	1333 MHz
RAM	512 MB	1 GB	2 GB	2 GB
OS	Windows XP or Server 2003	Windows XP or Server 2003	Windows XP or Server 2003	Windows XP or Server 2003
HDD	80 GB	160 GB	250 GB	500 GB
Network Adapter	10/100	10/100	10/100	Gigabit
Video Card	16 MB Video RAM	16 MB Video RAM	16 MB Video RAM	16 MB Video RAM
Optical Drive	CD-ROM	CD-ROM	CD-ROM	CD-ROM

* 8 Channel PC and 16 Channel PC are suggested system requirements for 'People Counter'

Accessories	
HACARDPAC	Euresys Picolo Alert Compact Framegrabber PCI card
HACARDCAB16	Euresys 16 port spider cable for Picolo Alert Compact card
100-00064	Euresys 4 port analogue input Framegrabber PCI Card
100-00065	Euresys 4 port analogue port expansion bracket with 4" cable
100-00205	Euresys 4 port analogue port Expansion Bracket with 7" cable
100-00132	USB-based 8 Form C relays and 8 high voltage inputs

Servers	
HA8SRVRT1	8 channel Dell mini tower server, Dell Precision 390, fits two regular PCI cards and two 4" expansion brackets
HA8SRVR1	8 channel Dell 1U rackmount server, Dell P860, fits one PCI card and one 4" expansion bracket
HA12SRVRT1	12 channel Dell mini tower server, Dell Precision 490, fits two regular PCI cards and two 4" expansion brackets
HA12SRVR1	12 channel Dell 1U rackmount server, Dell P1950, fits one PCI card and one 7" expansion bracket or two regular PCI cards
HA16SRVRT1	16 channel Dell mini tower server, Dell Precision 490, fits two regular PCI cards and two 4" expansion brackets
HA16SRVR1	16 channel Dell 1U rackmount server, Dell P1950, fits one PCI card and one 7" expansion bracket or two regular PCI cards

Ordering	
HASWCD	Software CD
HAHWKEY1	Packaged USB License Key and Software CD For Honeywell Intelligent Video Analytics
HAABBASE	Honeywell Active Alert Base (4 channel Base license)
HAASBASE	Honeywell Active Alert Standard (4 channel Base license)
HAAPBASE	Honeywell Active Alert Premium (4 channel Base license)
HASIBASE	Honeywell Analytics Smart Impressions (4 Channel Base licence)
HAACBASE	Honeywell Analytics People Counter (4 Channel Base licence)
HAAB	Honeywell Active Alert Base (single channel add on license)
HAAS	Honeywell Active Alert Standard (single channel add on license)
HAAP	Honeywell Active Alert Premium (single channel add on license)
HASI	Honeywell Analytics Smart Impressions (single channel add-on licence)
HAAC	Honeywell Analytics People Counter (single channel add-on licence)

*One HAHWKEY1 required per PC/Server

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

Honeywell Security

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