

Active Alert®

INTELLIGENT VIDEO ANALYTICS

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 behavior within a camera view. Active Alert can provide real time alarms based on user defined rules to detect abnormal or suspicious behavior 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 video system.

Honeywell Active Alert software is accurate and high performing and is capable of monitoring and analyzing the behavior of up to 20 objects per camera view, both indoors and outdoors. Honeywell Active Alert is offered in three packages including a base, standard and premium package, each of which enables a different set of detectable behaviors.

Product packages can be mixed and matched on a single server enabling the user to assign a product package for each camera to enable the features they need for that particular camera. This results in flexibility for the user to select a combination of product packages to run on each analytics server to ensure optimal end-user deployment requirements.

Market Opportunities

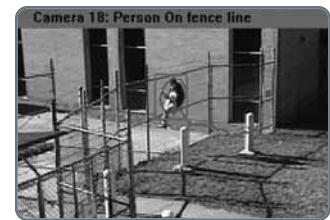
The Honeywell Active Alert suite of products is an ideal solution to enhance a facility's current level of security or to optimize the use of current personnel resources. Honeywell Active Alert can be used as a standalone solution or in conjunction with a compatible recording system with local and remote 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 behaviors 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 behaviors to suit a broad set of system requirements
- Accurate indoor and outdoor applications with patented technology to reduce false alarms
- 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
- High performance software that minimizes the need for excessive PC hardware

Alarm Management server enables real time alarm monitoring from a large number of connected analytics servers.

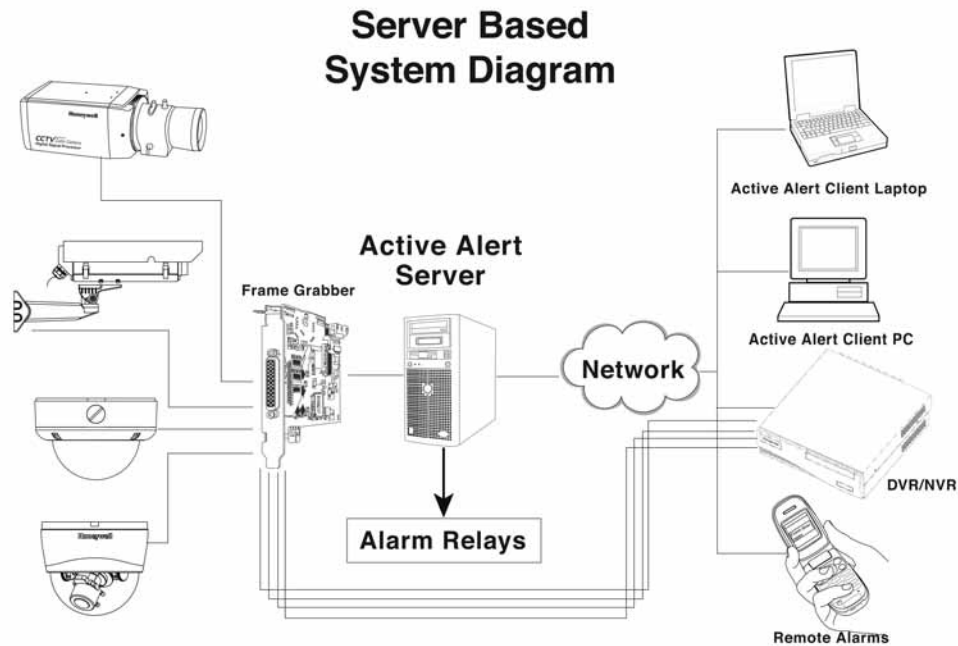


SPECIFICATIONS

Honeywell Active Alert is offered in three packages including a base, standard and premium package, each of which enables a different set of detectable behaviors. The Active Alert Base package includes basic people and vehicle behavior detections, in addition to camera tamper detection: blinding, blurring and scene change. Real-time alarms are generated to alert the user of any of these conditions in order to protect the camera view from being altered due to intentional or non-intentional acts. The Active Alert Standard package builds on the base package by adding the ability to discern more advanced behaviors 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.

	Active Alert Base	Active Alert Standard	Active Alert Premium
PEOPLE EVENTS			
Person entered restricted area	X	X	X
Person exited restricted area	X	X	X
Person loitering in restricted area		X	X
Person started moving in wrong direction	X	X	X
Person stopped moving in wrong direction	X	X	X
Person on fence line		X	X
Person entered sterile zone		X	X
Person started running			X
Person stopped running			X
People converged		X	X
People passed by		X	X
Person trespassing--tripwire	X	X	X
Person running in wrong direction			X
CAR TRAFFIC EVENTS			
Car started moving in wrong direction	X	X	X
Car stopped moving in wrong direction	X	X	X
Car entered restricted area	X	X	X
Car parked in restricted area		X	X
Car entered sterile zone	X	X	X
Car speeding			X
Car made illegal u-turn		X	X
Car parked in handicapped zone		X	X
Car pulled off road		X	X
Car needs assistance		X	X
Car exited restricted area	X	X	X
Car trespassing--tripwire	X	X	X
VIDEO/CAMERA EVENTS			
Video signal lost	X	X	X
Video signal restored	X	X	X
Camera sabotage features	X	X	X
COUNTING EVENTS			
Person counted as entering		X	X
Person counted as exiting		X	X
Car entered lot		X	X
Car exited lot		X	X
Car counted in lane			X
PREMIUM EVENTS			
Object left unattended			X
Object removed			X
Possible theft			X

SYSTEM OVERVIEW



Suggested Minimum System Requirements for Smart Impressions

Component	4 Channel PC	8 Channel PC	16 Channel PC	24 Channel PC
Operating System	Windows® XP Professional with Service Pack 2, or Windows Server 2003 Standard	Windows® XP Professional with Service Pack 2, or Windows Server 2003 Standard	Windows® XP Professional with Service Pack 2, or Windows Server 2003 R2 Standard	Windows® XP Professional with Service Pack 2, or Windows Server 2003 R2 Standard
Processor	Intel® Premium® 4 (3.0 GHz or higher) or comparable	Recommended: Intel Core 2 Duo E-7300 (2.66 GHz or higher) or comparable Minimum: Dual Core Intel® Pentium® 935 (3.2 GHz or higher) or comparable	Recommended: Intel® Xeon® E5504 (2.0 GHz or higher) or comparable Minimum: 2 X Dual-Core Intel® Xeon® 5140 (2.33 GHz or higher)	Recommended: Intel® Xeon® E5530 (2.4 GHz or higher) or comparable Minimum: Quad Core Intel® Xeon® X5450 (3.0 GHz or higher) or comparable
RAM	512 MB or higher	1 GB or higher	2 GB or higher	2 GB or higher
Hard Drive Storage	80 GB (for 60-day storage of metadata)	160 GB (for 60-day storage of metadata)	400 GB (for 60-day storage of metadata)	500 GB (for 60-day storage of metadata)
Video Adapter	Video card with 16 MB memory	Video card with 16 MB memory	Video card with 16 MB memory	Video card with 16 MB memory
Network Connection	100/1000 Ethernet	100/1000 Ethernet	100/1000 Ethernet	100/1000 Ethernet
For Analog Video Input	One Pico Alert™ Compact frame grabbers with 1 spider (breakout) cables (recommended)	One Pico Alert™ Compact frame grabber PCI or PCIe	Two Pico Alert™ Compact frame grabber PCI or PCIe	Three Pico Alert™ Compact frame grabber PCI or PCIe

ORDERING

Accessories	
HACARDPAC2	Euresys™ Picolo Alert™ Compact frame grabber PCI Express Card for 8 analog inputs (must use with HACARDCAB8)
HACARDCAB8	Euresys™ 8 port spider cable for Picolo Alert™ Compact Card (HACARDPAC2)
100-00504	USB-based 8 Form C Relays and 8 High Voltage Inputs (can only use 1 per analytics server)
100-00473	USB-based 24 Form C Relays electromechanical 6 AMP outputs (can only use 1 per analytics server)

Servers	
HA8SRVRT3	8 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
HA8SRVR3	8 Channel 1U Rackmount, Dell Poweredge R610, 502W, will fit 2 HACARDPAC2 (not included)
HA16SRVRT3	16 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
HA16SRVR3	16 Channel 1U Rackmount, Dell Poweredge R610, 502W, will fit 2 HACARDPAC2 (not included)
HA24SRVR3	24 Channel 2U Rackmount, Dell Poweredge R710, 570W, will fit 3 HACARDPAC2 (not included)
HA8SRVRT3X	8 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included), EMEA Power Settings
HA8SRVR3X	8 Channel 1U Rackmount, Dell Poweredge R610, 502W, will fit 2 HACARDPAC2 (not included), EMEA Power Settings
HA16SRVRT3X	16 Channel 1U Rackmount, Dell Poweredge R610, 502W, will fit 2 HACARDPAC2 (not included), EMEA Power Settings
HA16SRVR3X	16 Channel 1U Rackmount, Dell Poweredge R610, 502W, will fit 2 HACARDPAC2 (not included), EMEA Power Settings
HA24SRVR3X	24 Channel 2U Rackmount, Dell Poweredge R710, 570W, will fit 3 HACARDPAC2 (not included), EMEA Power Settings

Server software and hardware accessories installed at the factory.

Ordering	
HASWCD	Software CD
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)
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)
HAAMS	Alarm Management Server Software

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

For more information:
www.honeywellvideo.com

Honeywell Security Group

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