

HUS-XACT100P-E (v.4.3)

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An Easy-to-Install Solution for Mid-Scale IP Surveillance, Access Control, Intrusion

Honeywell Universal Surveillance HUS-XACT100P-E is a high performance security integrated platform for medium-scale IP video, access control and intrusion applications. Its simple system architecture and easy-to-install features are designed to minimize the cost of investment, making the HUS-XACT100P-E an effective IP surveillance solution to fulfill security requirements for today and tomorrow.

HUS-XACT100P-E is engineered with advanced IP technology and a user-friendly interface for easy operation. Its compact and intelligent design combines video management server and storage into one single unit that saves costs on investment. With simple plug-and-play design, the HUS-XACT100P-E can be installed in just a few steps that minimizes installation costs and time.

The HUS-XACT100P-E supports 128-channel video recording and is suitable for full IP surveillance, analog to digital migration and hybrid systems (analog and IP). It can also be integrated with the HUS central management master server HUS-XPRO-MAS-E to perform video monitoring, access control and intrusion functions.

Compatible with ONVIF 1.0.1, 1.0.2 and Profile S, the HUS-XACT100P-E supports some of the most commonly used formats of IP cameras – 1 to 5 Megapixels, 1080P (1920 x 1080), 720P (1280 x 720) and D1 (720 x 576) cameras. As a centralized storage, the HUS-XACT100P-E supports up to 5 clients simultaneously to browse 16 channels real-time image.

The HUS-XACT100P-E is also an ideal solution for video surveillance, access control and intrusion alarm integration. By integrating different functions into one single system, the HUS-XACT100P-E is capable of managing up to 200 alarms or events, and to perform synchronous video when alarm is triggered. Other advanced features such as self-defined emergency response rules and accurate alarm location on e-Map also improve overall operation and management efficiency.

Scalability is key when developing an effective security system. 16 units of 3.5" enterprise hard disk (SAS/SATA) can be installed in each HUS-XACT100P-E server. Expansion chassis can be added to support up to 48 enterprise hard disks.

For more advanced surveillance, HUS Video Analytics software package is an ideal option. Honeywell's suite of video analytics products enables enhanced security and surveillance solutions by automatically monitoring video for specific people, vehicles, objects and their associated behavior within a camera view. Honeywell HUS Video Analytics packages provide real time alarms based on user-defined rules to detect abnormal or suspicious behavior accurately without the need for human supervision.



E-map



Device Discovery



Alternative View



Surrounding View



Driving IP-based physical security through global standardization

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Market Opportunities

The IP surveillance market is growing with increased demand moving from analog to full digital video solution. HUS-XACT100P-E Series is an efficient and powerful solution to address the needs of small- to medium-scale security management applications, including those for retail, banks, hospitals, enterprises, residential communities etc.

Benefits

Powerful and Easy Management

- Fast and effective event notification, validation and processing
- High profile H.264 to make the best use of network and storage resources
- Optimize network resources, multicast, unicast forwarding and dual-stream

Effective Emergency Response and Powerful Integration Capacity

- Multilayer E-map helps locate alarm scenes quickly
- Preprogramming for quick response to various emergencies
- Integration with VISTA series intrusion system providing proactive alarm event management
- Integration with WIN-PAK[®] access control management system

High Reliability

- Stable operation 24/7/365
- Hardware and software are qualified strictly by Honeywell

Simple Operation

- CCTV keyboard for full control of live view and PTZ
- Unified client operation interface for easy access

Flexible System Deployment

- Automatic discovery of IP devices, simplifying installation and commissioning work
- One click system configuration with default setting

Powerful Integration

- Integrate video surveillance, access control and intrusion into one system for high operation efficiency and to save operation costs

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FEATURES

Video Management

- Supports 128 channels video management, 5 clients
- Maximum 128 channels D1 resolution image at real-time storage
- Each client supports 16 channels video playback (D1 resolution/full real time)
- H.264, MPEG4 and other audio/video codec
- Internal storage up to 16 enterprise hard disks; external storage up to 48 hard disks
- Megapixel cameras and HD network cameras compatible
- Digital matrix switching seamlessly via IP keyboard or client
- Quickly locate videos: playback, pause, cycle
- Flexible configuration of video switching, tour, video wall or workstation

Intrusion and Access Control System Integration

- Unified interface for easy configuration, video management, alarm and entrance guard system
- Integrate video, alarm and access control information for quick response and event handling

Event Management

- Events classified by types and security levels for easy searching
- Different security level event notifications can be easily identified with different colors

Video Analytics

Video Analytics features can be applied with the HUS-XACTS solution. Out of 128 channels of recording, 6 of the channels can perform Video Analytics features at D1 resolution, or, 4 of the channels at 720P/1080P.

E-Map Location

- Accurate event allocation on the map with video verification
- BMP, JPEG, AutoCAD and GIS format map import

User Management

- Access to system resources – individually controlled per user or user group
- User privileges, designated time period and public access group management
- User access history including login, control, report

System Configuration and Maintenance

- Database maintenance with report, including fault, alarm, operation
- Continuous system monitoring and equipment condition; notification on abnormal conditions

Integration Capability

- Deploy HUS central management master server HUS-XPRO-MAS-E to integrate video surveillance, access control and intrusion into one system

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VIDEO ANALYTICS FEATURES

Event	Base	Standard	Premium	People Counting	Smart Impressions
People Events					
Person entered restricted zone	✓	✓	✓		
Person exited restricted zone	✓	✓	✓		
Person loitering in restricted zone		✓	✓		
Person started moving in wrong direction	✓	✓	✓	✓	
Person stopped moving in wrong direction	✓	✓	✓		
Person on fence line		✓	✓		
Person started running			✓		
Person stopped running		✓	✓		
People converged		✓	✓		
People passed by		✓	✓		
Person trespassing - tripwire	✓	✓	✓		
Person running in wrong direction			✓		
Person in sterile zone		✓	✓		
Car traffic events					
Car started moving in wrong direction	✓	✓	✓		
Car stopped moving in wrong direction	✓	✓	✓		
Car entered restricted zone	✓	✓	✓		
Car parked in restricted zone		✓	✓		
Car speeding			✓		
Car made illegal u-turn		✓	✓		
Car parked in handicapped zone		✓	✓		
Car pulled off channels		✓	✓		
Car needs assistance		✓	✓		
Car exited restricted zone	✓	✓	✓		
Car trespassing - tripwire	✓	✓	✓		
Car in sterile zone		✓	✓		
Video/Camera Events					
Video signal lost	✓	✓	✓	✓	✓
Video signal restored	✓	✓	✓	✓	✓
Counting Events					
Person counted as entering		✓	✓	✓	✓
Person counted as exiting		✓	✓	✓	✓
Car entered lot		✓	✓		✓
Car exited lot		✓	✓		✓
Car counted in lane			✓		✓
Premium Events					
Object left unattended			✓		
Object removed			✓		
Possible theft			✓		
Smart Impressions					
Entering target zone					✓
Staying in target zone					✓

Notes

1. Base, standard and Premium package is a mutually exclusive relationship, can only choose one of them.
2. If only people counting feature is required, you may select the "People Counting" package only.
3. If only vehicle access counting and traffic statistics are required, you may select the "Smart Impressions package only.
4. People Counting package is free-of-charge with purchase of Basic Package or Standard Package or Premium package.
5. Smart Impressions package is free-of-charge with purchase of Basic Package or Standard Package or Premium package.

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SPECIFICATIONS

Model	HUS-XACT100P-E	HUS-NVR-EC16-E
System		
System Support	128 video channels, 128 alarm defense zones, 128 card readers, 5 clients	
System Throughput Capacity	Support 340 Mbps bandwidth throughput capacity	
Configuration Parameters (D1/25fps/2Mbps)	128 channels real-time recording video + 20 channels history video playback + 20 channels streaming video forward	
Processor (CPU)	Intel quad-core processor 3.1 GHz, 8MB Cache	-
Memory	8 GB	-
Hard Disk	Enterprise class hard disk 1TB, 3.5" 7200 RPM, SATA, 32MB Cache	-
Network	2 x 1Gbps Ethernet RJ-45 Ports	-
RAID controller	Enterprise LSI MegaRAID SAS 9260 (6Gb/s per port)	-
Operating System	Windows Server 2008 Standard 64 bit	-
Database	SQL Server 2008 Standard	-
IOPS	140,000 (Input/Outputs Per Second)	-
Condition Monitoring	Fault/error/overload and alarm (including disk/RAID/power/fan/temperature/IO performance)	
Hardware Redundancy	Power supply and fan module redundancy (2 x PFC)	
Video / Audio		
Video Input	IP mode access	
Compression	H.264, MPEG4, MPEG2, MJPEG	
Resolution	1080P, 720P, Megapixel, D1, 4CIF, VGA, CIF	
Frame Rate	Max. 25 FPS (PAL) / 30 FPS (NTSC), support set variable code flow storage	
Recording Mode	Time and events, alarm, manual trigger, continuous video	
Recording Inquires	Date, device name and channel numbers, alarm and event type, video trigger mode	
Audio Codec	G.711	
Storage Performance		
Hard Disk	HUS-HDD-4TB, HUS-HDD-3TB, HUS-HDD-2TB, HUS-HDD-1TB	
Slot Number	16 x 3.5" enterprise hard disk (SAS/SATA)	
Storage Extension Number	Single set of system supports maximum 48 x 3.5" enterprise hard disk (SAS/SATA), support two video storage extended array HUS-XACT-EC16-E	
Hard Disk Hot Plug	Support hard disk hot plug	
Expansion Interface	Mini SAS (6Gb/s)	
RAID level	RAID 0, 1, 5, 6, 10, 50, 60	
RAID management	Based on the Web browser mode, GUI configuration and management	
RAID performance	RAID banding change Settings and RAID flash SAS/SATA hard disk mixed management mode Roll online flash and disk hot backup mechanism Disk medium detection and hard disk bad area isolation Data Snapshot copy function: Snapshot Different alarm information means: SNMP/Email	

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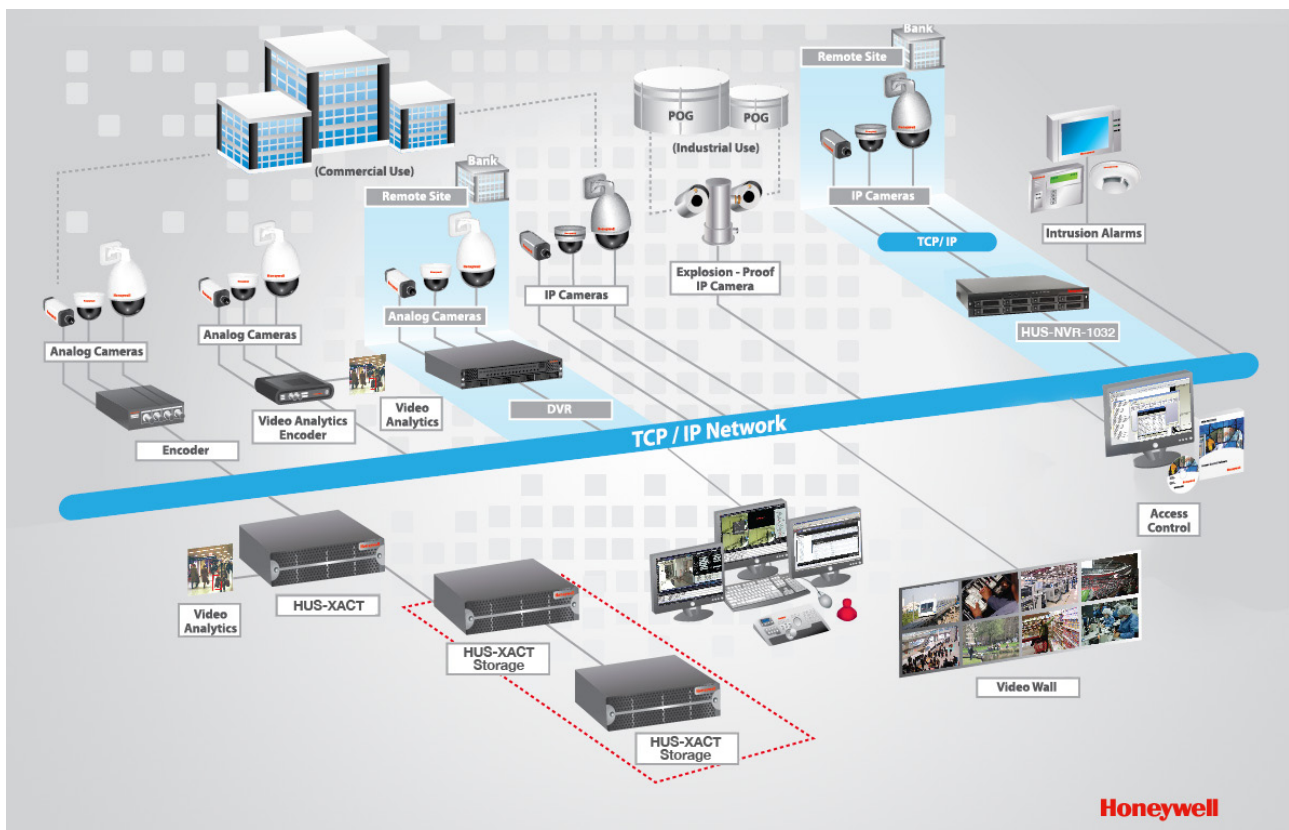
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SPECIFICATIONS

Model	HUS-XACT100P-E	HUS-NVR-EC16-E
General		
Dimensions	433 (W) x 132.5 (H) x 660 (D) mm (3U)	
Weight	20kg±5% (exclude hard disk)	16kg±5% (exclude hard disk)
Power Input	100 - 240VAC, 47/63Hz	
Power Consumption	2 x 550W	
Operating Temperature	10°C - 35°C	
Storage Temperature	-40°C - 65°C	
Relative Humidity	8% - 90% , non-condensing	
Certification	CE, FCC, CCC	

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

System Diagram



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ORDERING

HUS-XACT100P-E	Video management system - 128 channels. Support 340 Mbps bandwidth throughput capacity. 128 channels real-time recording video + 20 channels history video playback + 20 channels streaming video forwarding (D1 resolution/full real time/2Mbps). One unit can install up to 16 x 3.5" enterprise hard disk (SAS/SATA) and connect to video storage extended array (HUS-XACT-EC16-E). License permit contains 128 video channels, 128 alarm defense zones (only support VISTA host, the other with IPM - VISTA module), 128 card readers (only support WIN-PAK [®] entrance guard, the other with API interface), 5 clients. Support integration with HUS-XPRO-MAS-E.
HUS XACT Storage Expansion Chassis	
HUS-XACT-EC16-E	Video storage expansion array (HUS XACT). One unit can install up to 16 x 3.5" enterprise hard disk (SAS/SATA), SAS interface
HUS-HDD-1TB	Video storage HDD (1TB)
HUS-HDD-2TB	Video storage HDD (2TB)
HUS-HDD-3TB	Video storage HDD (3TB)
HUS-HDD-4TB	Video storage HDD (4TB)
HUS XACT Software Support Agreement	
SSAHUSXACT	Software Support Agreement (SSA) to HUS XACT Network Video Management Server for one year

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May 2014
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