

Retail Solution

2016.11



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System Composition













Existing Problems







- How to strengthen the management of commodity in the retail store
- How to optimize the process of customer management
- How to improve management efficiency

Security

- How to improve the overall security level
 - How to prevent property of key areas from stolen
- How to avoid customer disputes when a transaction is void

Emergency

- How to manage the predictable events properly
- How to react immediately when emergency happens

What is needed



Coverage of HD monitoring

Upgrade the current analog system

Video intelligent analysis

People counting for statistic analysis, det ect suspicious movements

Linkage of multiple systems

Link alarm and access control system to video surveillance system

Integrated System

Heat Map

Study customer traffic flow to design the store I ayout or place the product items cleverly to ge nerate more interests or create more sales

POS System Integration

Transaction data with attached video can de finitely explain why a transaction is void



Video Surveillance



Alarm



Access Control



POS Integration

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Benefit

















Multistage linkage, provide better security



Make management strategies based on the analysis reports of people counting and heat map



Create positive customer shopping experiences



Bring greater business value for the employer



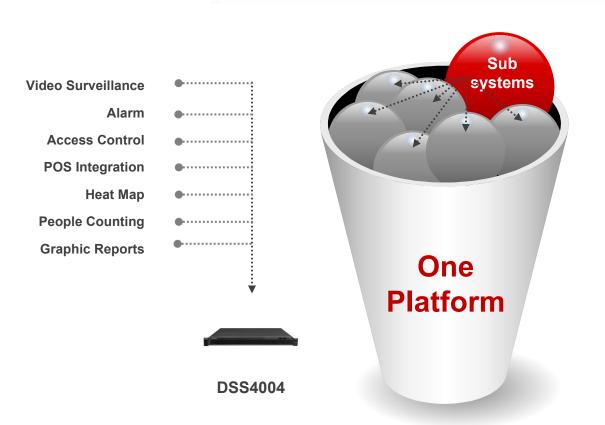






All in one





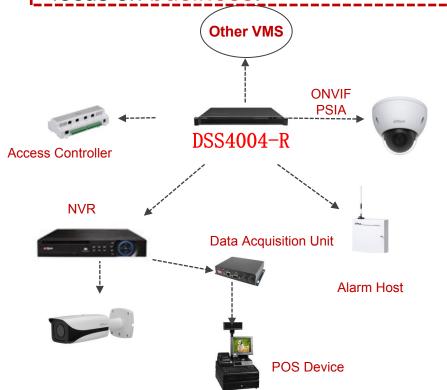


- End-to-End system and device management
- Higher Efficiency of system interaction
- Lower cost of human resource and mastering operation skills

Compatibility & Openness



Dahua takes charge of the **security** problem, thus partners only need to focus on business.



Compatibility

- Seamlessly integrate with the existing system
- Compatible with third-party devices of mainstream manufacturer, such as: surveillance, alarm, access control devices, POS devices
- · Support multiple protocols : ONVIF

Openness

- · Based on open architecture
- Support SDK for the purpose of integrate with third-party business systems
- Adopt technology based on J2EE middleware for development of value-added services

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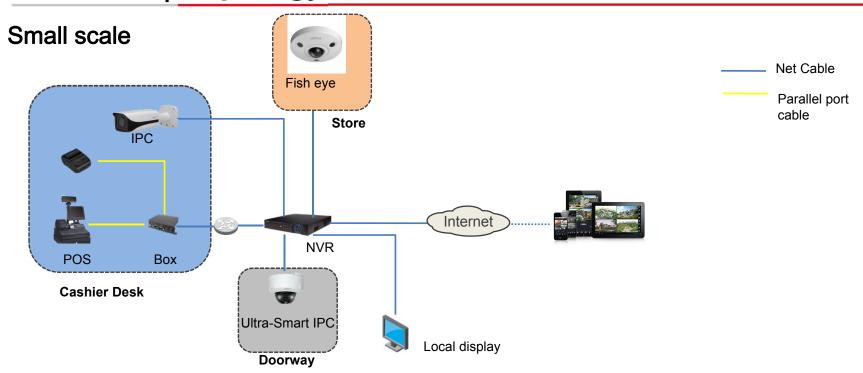


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Solution | Topology

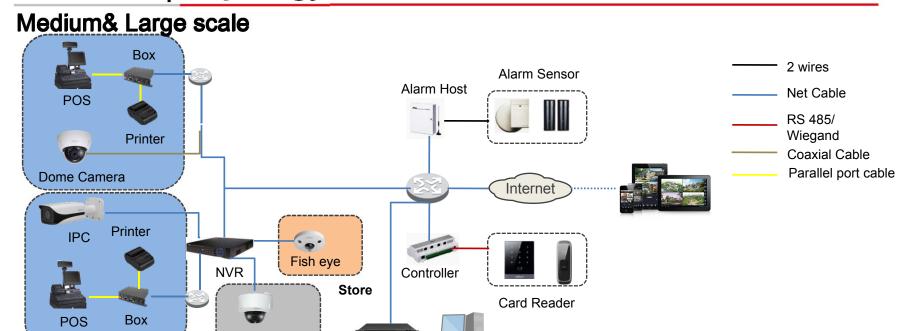




- •IPC is installed towards the cashier desk which allows the overlapping of POS information and video.
- •Ultra-Smart IPC for people counting is installed towards the doorway of store.
- •Fish eye plays a role in monitoring the whole scene of the store.

Solution | Topology





•IPC or HDCVI camera is installed towards the cashier desk which allows the overlapping of POS information and video.

DSS4004-R

•Ultra-Smart IPC for people counting is installed towards the doorway of store.

Ultra-Smart IPC

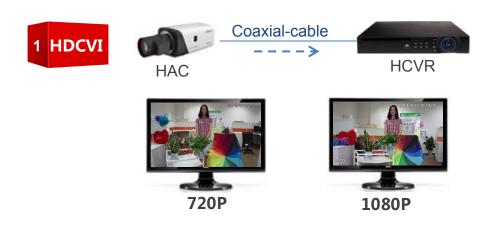
Doorway

- •Fish eye plays a role in monitoring the whole scene of the store.
- •Access control and alarm device are installed in the store or warehouse according to your needs.
- Unified management of the DSS platform

Cashier Desk

High Definition

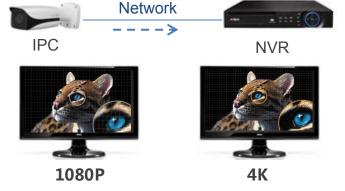




Advantage

- 1999 2010 provides low-definition resolution of CIF and D1.
- 2010 Now provides HD resolution which supports both HDCVI and IP cameras.
- What's more, provides 4K resolution which supports IP cameras.

2 IP



Benefit

- Provides basic protection for business applications by offering videos and pictures of higher resolution.
- Provides strong evidences to the police when exception events happen, which leads to faster crime-solving.

Solution | Business Management





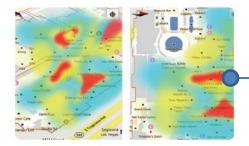
People Counting

Statistic the number of customers of entrance or exit, forming report and make strategies for manager



POS Integration

Each transaction is stored with attached video, support search and playback

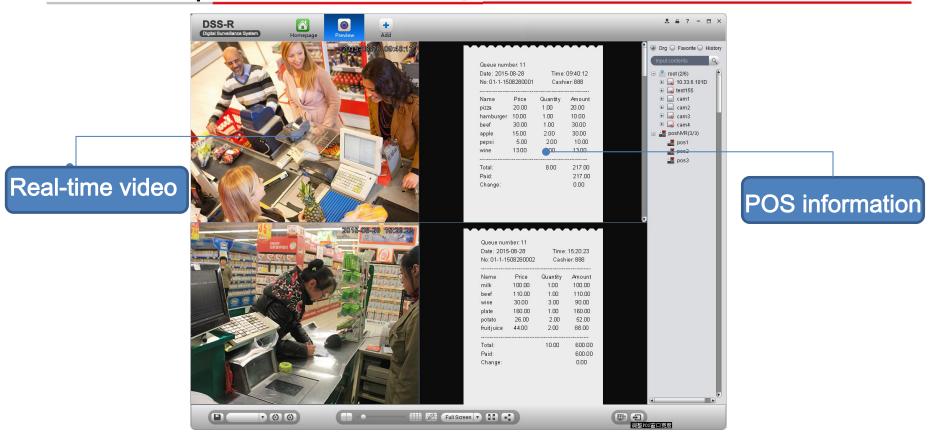


Heat Map

Heat Map intelligent camera can output customer activity density to show which area attracts most customers

Solution | POS data overlay





Real-time video and the binding POS information can be showed simultaneously in the preview window

Solution | POS search and playback





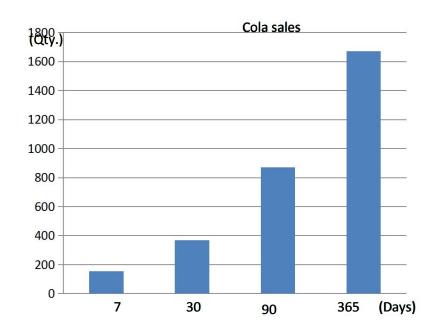
· Search the key words such as time, trade name, POS terminal to replay the corresponding video

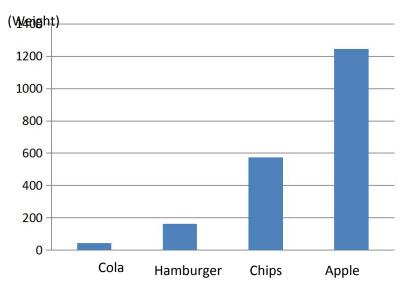
Solution | Report



Sales Report

- Management platform generate sales reports based on POS data.
- Show the commodity sales situation of different stages intuitively





Solution | Remote Control







See Live View

Watch Playback

Notification Push

Take Snapshots

Benefit

- Watch your store wherever you are
- Alarm Push enables you to acquire instant messages for what happened in your monitoring environment
- Real-time grasp the store situation, improve the efficiency of management

Connect to your surveillance system with your mobile devices anytime and anywhere

Too many customers, please increase more clerks

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Successful Case





Dahua 2-megapixel IR bullet and eyeball feature the design to meet the scenarios for both indoor and outdoor. These cameras are perfectly designed for public open areas, entrances and exits, cashier in stores and parking lots. The POE NVR saves a lot of time and support 8-ch 1080P playback; meanwhile, it support dual-stream recording, which is to record the real-time main stream and extra stream of all IP camera at the same time.



The LULU Hypermarket located in Muscat, combined with current 3 malls, which is the largest shopping mall in Oman. Dahua provides HDCVI solution to cover both inside and outside of mall, as well as parking floor, due to the long distance transmission and high definition advantage of HDCVI technology. Moreover, Dahua also provides central storage devices, control center and DSS management platform to secure the Hypermarket.

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Products | DSS4004





Retail all-in-one device

Product Model: DH-DSS4004

- •Embedded Linux machine, 30 * 24 hours stable operation
- •Video monitoring, alarm, access control, POS integration
- •Support single input of 300Mbps, forwarding of 300Mbps, and storage of 100Mbps.
- •4 local hard disks

Products | Video | IPC | HDBW5231E-Z





2MP WDR IR Dome Network Camera

- •> 1/2.8" 2Megapixel progressive scan Exmor CMOS
- > H.265&H.264 triple-stream encoding
- > 50/60fps@1080(1920 \times 1080)
- > Smart Detection supported
- > WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- > Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- > 2.7mm ~12mm motorized lens
- > 1/1 Alarm in/out, 1/1 audio in/out
- > Max. IR LEDs Length 50m
- > Micro SD memory, IP67, IK10, PoE
- •Tripwire, Intrusion, Object Abandoned/Missing

Products | Video | Smart IPC | IPC-HDBW8231E-Z





2MP WDR IR Dome Network Camera

- > 1/2.8" 2Megapixel progressive scan CMOS
- > H.265&H.264 triple-stream encoding
- \gt 50/60fps@1080P(1920 \times 1080)
 - > WDR(140dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC
 - > Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
 - > 2.7mm ~12mm motorized lens
 - > Max. IR LEDs Length 50m
 - > Micro SD memory, IP67, IK10, PoE
- Face Detection, People Counting, Heat Map

Products | Video | IPC | EBW8600





6 Mega Full HD Vandal-proof IR Network Fisheye Camera

Product Model: DH-IPC-EB8600

- •Max 25/30fps@6.0M(3072x2048)
- Multiple De-wrap Mode: Original , Panoramic, Double Panoramic, 1+3,Eptz,4 pictures
- •DWDR
- •Max.IR LEDs Length 10m
- •Micro SD memery,IP67,IK10,PoE

Products | Video | HDCVI | HAC-HDBW2221E





2MP WDR HDCVI IR Dome Camera

- > 120dB true WDR, 3DNR
- > Max 30fps@1080P
- > HD and SD dual-output
- > 3.6mm fixed lens (2.8mm, 6mm optional)
- > Max. IR length 30m, Smart IR
- > IP67, IK10, DC12V

Products | Video | NVR | NVR616D-128-4KS2





128 Channel Ultra 4K H.265 Network Video Recorder

- > Intel Processor
- > Max 64/128 IP Camera Inputs
- > Max 384Mbps Incoming Bandwidth
- > Up to 12MP Resolution for Preview and Playback
- > Supports RAID 0/1/5/6/10/50/60
- > iSCSI and Mini SAS for Expanded Storage Space
- > Smart Tracking and Intelligent Video
- > 7-inch HD LCD Monitor

Products | Video | HCVR | HCVR8816S-S3





16 Channel 1080P 2U Digital Video Recorder

- >Embedded processor
- >H.264+/H.264 video compression
- >Support HDCVI/AHD/CVBS video inputs
- >Max 64 channels IP camera inputs, each channel up to 12MP
- >Max 256Mbps Incoming Bandwidth
- >Smart Search and Intelligent Video System



Dahua Technology Make Your Life Safer