HIK
INSIGHT

✓ Android Indoor Station-Video Intercom

✓ Hikvision South Africa Experience Fully Updated and Open for Booking

✓ Facts about the retail industry

An Insight of Hikvision's Commitment to Excellency

October 2020 | Issue 4   Hikvision South Africa

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Monthly HIK INSIGHT

Issued by HIKVISION SOUTH AFRICA

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ColorVu Live Guard Camera

Selling Points

01 **Live Guard:** *Strobe Light Alarm* and *Audio Alarm* to warn intruders off

3 **built-in voice broadcasts**
① Siren
② Warning, this is restricted area, please keep away
③ Attention please, the area is under surveillance

+

1 **customized voice broadcast**
by **Hik-Connect**

Red and **Blue** strobe light alarm

02 **Audio over Coaxial**

Built-in Dual Mic   **Dual Noise Reduction (with DVR)**

03 **24/7 Colorful Imaging**

Conventional camera   ColorVu camera

Models

DS-2CE12DF3T-PIRXOS   DS-2CE72DF3T-PIRXOS

- 2 MP
- 24/7 colorful imaging
- F1.0 large aperture, 0.0005 lux
- 20/40 m lighting distance
- strobe light and audio alarm
- Line out port

ColorVu Network Dome Camera

Selling Points

01 Beautiful design

The dome camera looks more friendly compared to bullet cameras as it fits into the ceiling just as a smoke detector does.

02 Secure lens direction

Compared to bullet or turret cameras, the lens direction of dome camera is hardly seen from a few meters away, and is protected from malicious twisting with the bubble.

03 Vandal resistance

Dome cameras support IK10 vandal resistant and is more secure from violence.

04 Unnoticed in night time

The dome camera without supplemental light is unnoticed in night time. Most of commercial or residential CCTV scenarios are equipped with sufficient environment light for the ColorVu cameras to generate bright enough image.

Performance

Without supplemental light — ColorVu Camera

IR on — Conventional Camera

Models

- 0.0005 lux @ F1.0
- AcuSense
- 2/4 MP, 2.8/4 mm
- -SU: audio/alarm in/out, mic
- No supplemental light
- IP67, IK10

DS-2CD2147G2(-SU)
DS-2CD2127G2(-SU)

3 Series ColorVu AcuSense Camera

The 3 series ColorVu cameras have perfect image effect and AcuSense intelligent functions. There are more powerful bidding points such as ePTZ, anti-corrosion coating and -40° low temperature start for selection.

Selling Points

01 A combination of AcuSense and ColorVu

AcuSense — AcuSense technology helps users get smarter and more efficient video surveillance effects.

ColorVu — ColoVu technology brings 24/7 Colorful imaging.

02 Strong bidding points make it easier to win projects

The camera is equipped many high-edge technology to keep strong bidding ability, such as ePTZ, anti-corrosion coating, -40° low temperature start.·

03 Suitable for poor network conditions

ePTZ can help significantly in area with low band width but also make full use of large resolution.

Smooth streaming technology can automatically adjust bit rate and resolution according to real-time network condition to ensure smooth live view.

Models

30 Series Turret

DS-2CD3047G2-LS
DS-2CD3027G2-LS

33 Series Turret

DS-2CD3347G2-LS(U)
DS-2CD3327G2-LS(U)

-U: microphone

- 2 MP (maximum 60 fps) /4 MP
- 24/7 colorful imaging

- 2.8mm, 4mm, 6mm
- Supports 4 streams

- 12 VDC Power out

DS-PR1-WE AX PRO Series Repeater

AX PRO Series Repeater is the radio signal range extender that boosts the RF communication range in AX PRO wireless alarm system. It's perfectly used for multi-story buildings, which could enable users to place AX PRO series detectors and peripherals at a considerable distance from the wireless panel.

Selling Points

1 — **Dual RF Chips**
Supports both Tri-X and CAM-X to boost the RF communication range from AX PRO hub to all kinds of AX PRO Series detectors and peripherals to enhance the security system.

2 — **Smart auto-pairing**
Find and connect detectors and peripherals automatically.

3 — **Enrolling methods**
Multiple enrolling methods and fully remote configuration through App, set-up in seconds.

Technical Specifications

Distance	Extends Tri-X technology at 1,600m in open space
Distance	Extends Cam-X technology at 800m in open space
Number	Connects up to 4 repeaters to AX PRO wireless system to extend its RF coverage
Battery	Operates up to 35 hours on back-up battery

Android Indoor Station

DS-KH9310-WTE1 / DS-KH9510-WTE1, as Android Video Intercom Tablet, uses built-in Hik-Connect for all-in-one management that can control other hikvision systems, this solution is mainly targeted for client who has development capabilities, and it is suitable for apartment and house scenario, it's user-friendly design will bring you a new user experience.

Picture of product

Selling Points

1 Android System 5.1.1

2 Standard POE

3 UI V2.0: User-friendly design

4 Built-in Hik-Connect for all-in-one management

Technical Specifications

Resolution	1024 X 600
Memory	1 GB
Flash	8 GB Emmc
Interface	1 RJ 45 interface, 1 RS-485 interface, 8 alarm-in interfaces, 2 alarm-out interfaces
Working Temperature	-10℃ to 50℃ (14℉ to 122℉)
Power Supply	12 VDC& Standard POE IEEE 802.3af

02 SOLUTIONS

Facts about the retail industry

What are the biggest concerns of retail tycoons?

As security industry practitioner, everyone should be familiar with the concept of "smart retail": integrated security, people counting, heat map, queue detection, face recognition···But have you ever thought about these issues: 1) What are the sources of loss in the retail industry, and how does our solution address these user pain points in a targeted manner? 2) What is the return on investment in the intelligent applications that customer deploy? 3) Generally, retail stores have their own specialized business data collection and analysis systems. So why are they willing to pay for our smart devices and solutions? 4) The number of stores in the chain retail industry is large, and the geographical location is wide. How to implement effective and low-cost supervision of each store?

In fact, retail is not only an integrated security + light intelligent applications. Let us reexamine and think about the retail industry.

The bustling Wal-Mart, the always busy Starbucks, the 7-11 with customers in and out...

We may have get used to the comfortable consumption environment in these successful retailers, and be awed by their numerous customers, countless earning, and even feel that their success is natural. However, these retail giants are still facing many difficulties and challenges all the time.

Do You Really Understand the Retail Industry?

1 The loss rate remains high:

Theft and robbery have always been the main causes of loss in the retail industry, and the crime varies from internal theft, external theft, to organized large-scale theft and gang robbery even. Which kind of loss is the major source? Different business formats and companies may have different concerns, but a common pattern is that traditional precautions based on manpower and pure video surveillance have approached the limit to control loss, and the cost has always been high. It is difficult to go further.

2 Traditional business analysis is turning inaccurate gradually:

CRM/POS/ SAP... Retail owners never worry about lack of sufficient data for business analysis. However, these existing data are derived from the commodity circulation behavior recorded by various online systems. In other words, these data are difficult to reflect the behaviors and phenomena that are not directly related to commodity circulation. Therefore, it often leads to inadequate grasp of the actual status of the store operation and insufficient analytical power of data analysis.

3 Marketing model solidification:

The underlying logic of the traditional marketing model is highly dependent on the expert's cognitive judgment of experience, which is strongly subjective, innovatively insufficient, and lacks reliable data support. And often these experiences are more of an after-the-fact analysis response, and it is difficult to be immediately translated into executable specific marketing actions.

4 Insufficient internal control and patrol management:

Large chain stores always have a large number of stores, which are widely distributed. Management and supervision of various stores mostly rely on on-site personnel inspection, which is not only inefficient and costly, but also difficult to standardize.
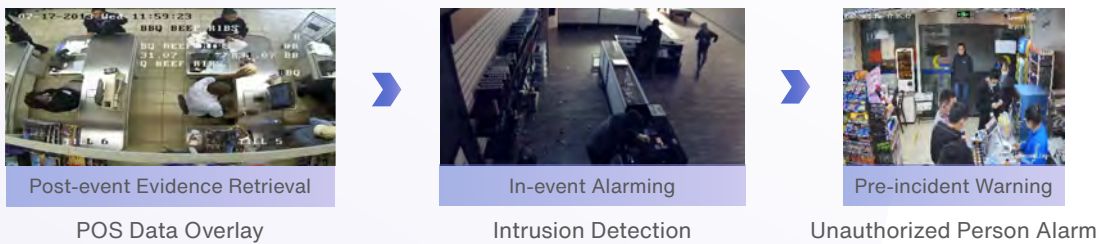
New Retail Concept

Hikvision smart retail solutions inject vitality into the retail industry

Through detailed and in-depth industry research and analysis, Hikvision launched a smart retail solution. This solution is no longer a simple industry business packaging and adaptation, but really cut into the retail business itself, and directly hit the above-mentioned pain points of the end users. With improving the return on investment as the core concept, the solution aims to help users minimize shrinkage and maximize business.

1 Intelligent security and active loss prevention:

Different from the traditional security system's concept of backtracking videos and evidence supply, with the help of Hikvision's video and AI technology, this solution extends the role of retail loss prevention in system positioning. Through technologies of habitual thief recognition, POS overlay analysis etc., it creates a three-dimensional protection system for quick retrieval of post-event evidence, real-time event warning during the event, and early pre-warning of risks. Changing from passive to active, it helps retail owners truly reduce risks and recover losses.

| Post-event Evidence Retrieval	In-event Alarming	Pre-incident Warning
POS Data Overlay	Intrusion Detection	Unauthorized Person Alarm

2 Online and offline data fusion:

Collecting offline data through a variety of intelligent analysis methods such as people counting, heat map analysis, customer attribute recognition, regional attention analysis, and integrating with the owner's existing online data system to provide comprehensive analysis in more dimensions to help retail owners dig into the essence of a deeper operating state and facilitate to make more accurate and high-quality business decisions.
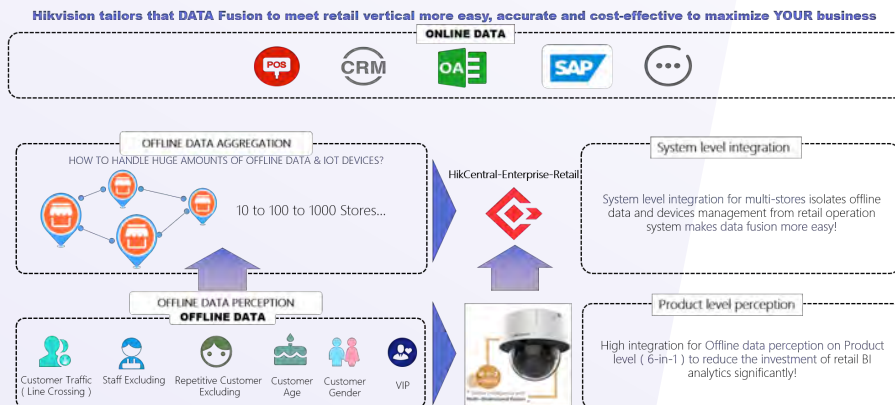

3 Quick response and precise marketing:

Through quantitative data analysis, and the use of scientific analysis and decision-making mechanism to achieve efficient and precise marketing. Through automated analysis responses, the system can timely push analysis results and executable decision opinions, to help store managers to respond quickly, conduct precise marketing, and truly improve efficiency.
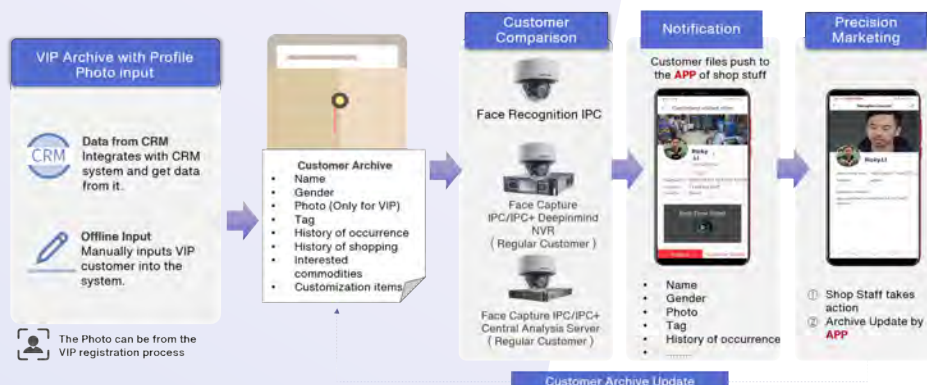
4 Remote audit for staff reduction and efficiency raising:

Reusing the existing CCTV system, to realize the staff reduction and efficiency gain of internal management by removing the traditional offline manual on-site shop inspection to online. The complete audit plan, pictures/video files and other records also ensure the standardization of inspection and improve the internal management standards.
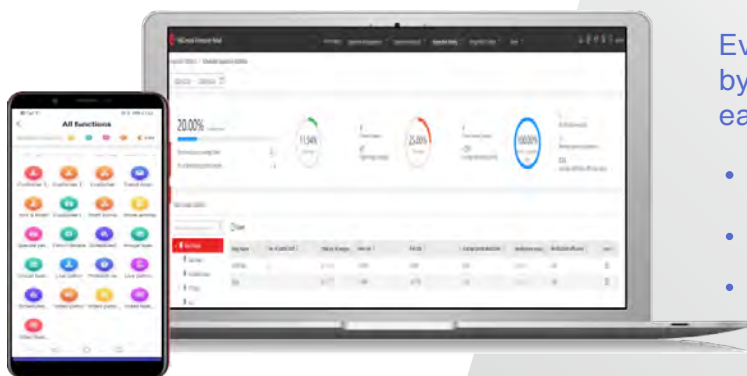
Everything is undei control and crystal clear by offline to online, more cost-effective, and easy to management

- System Scheduled Audit replaces on-site check
- Online record reduces vulnerability
- Audit statistic and report

Helping to Resume Work Safely During Special Period

Ensuring operation safety while minimizing the impact on business

As an industry that relies heavily on customer flow and with huge density of people, the retail industry is particularly subject to environment impact in the current situation. How to help retail enterprises achieve safe operation during the special period has become one of the most important issues that retail solution providers need to consider. With the help of advanced thermal imaging products and technologies, video content analysis technology, and AI algorithm capabilities, Hikvision Smart Retail Solution can help retail enterprises achieve safe operation resumption through the following two aspects:

1 Thermal imaging temperature screening:

Thermal imaging technology can quickly detect skin temperature, so as to quickly locate people with abnormal body temperature among a large number of people, and then use traditional mercury thermometer or ear thermometer for accurate measuring verification. Compared with directly using traditional temperature measurement methods, thermal imaging technology can greatly improve screening efficiency. Thereby, it can ensure the operation safety and minimize the crowding at the entrance of the stores at the same time, which helps to avoid cross infection and effectively protect the customers. Hikvision Smart Retail Solution provides a variety of product forms and functions to adapt to different application scenarios.

For example, bi-spectrum thermal cameras can simultaneously achieve daily surveillance and temperature measurement, metal detector doors can achieve fast deployment and personnel guidance, Minmoe can integrate temperature measurement and personnel authority control, and most of the devices support mask detection as well, etc.

2 Human flow control:

In order to avoid cross-infection, the upper limit of the number of people in the retail store operating area needs to be scientifically controlled, and the distance between two people should not be too close. 1) People retention detection and alarm: through the people counting technology, the number of people entering and leaving the store can be collected, so that the current number of people in the store can be calculated in real time; when the number of people exceeds the limit, alarm can be triggered, and the shop clerk can guide customers outside to wait in line; 2) People distance detection and alarm: through video intelligent analysis, the distance between people in the store is detected in real time. When the person-to-person distance is too close, alarm can be triggered, and the shop clerk can go to guide the crowd.

At the same time, a digital signage can be deployed at the at the store entrance. It can display both advertisements and "please wear a mask" reminder. It also supports real-time display of the above temperature measurement data and store personnel retention data, so as to provide timely and friendly reminders, guidance and feedback experience.

In-depth Analysis

The solution director shows you the past, present and future of the retail industry

After reading the above content, are you interested and curious in the retail industry? Do you think that IPSC monthly is too brief for you? Don't worry. Here we introduce the solution director of IPSC (indeed, the retail industry is so valued that the solution director is personally responsible for it), Yilin Zheng, and retail solution industry manager Peichang Song. If you have any question about solutions, or business opportunities, you can directly contact Mr. Zheng and Mr. Song.

03 Technical

Alarm Product AX PRO V1.2.1 Release Note

For more details please refer to the release note and you can download firmware from hereunder link.

Download Link: https://one.hikvision.com/#/link/aM7RpcclhmHF7wTQREFX

Extract passwords: UcIu

Added Function

1 **Added local user Function**

1) Local User configuration：support configure Keypad password，Duress Code，link to Keyfob and Tag.

2) Support Disposable User，Keypad password can arm and disarm one time(The password is valid for 24 hours).

2 **Support Keypad manual control Automation Device**

The keypad supports manual control of automation device functions.

3 **Support Emergency Button manual control Automation Device**

Emergency button support 2 Mode：Work as Detector or Link to Automation Device,if select to Automation Control，can control Automation Device output manually.
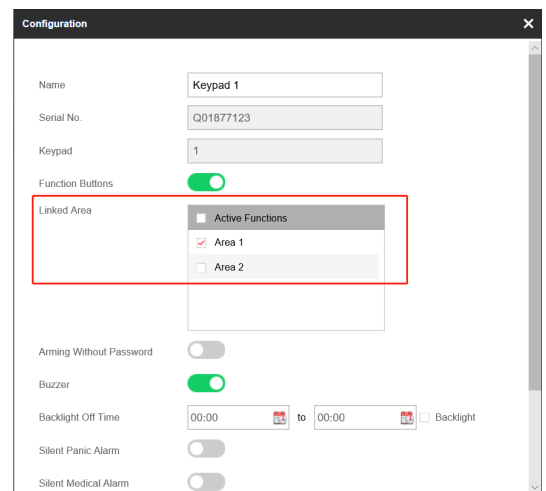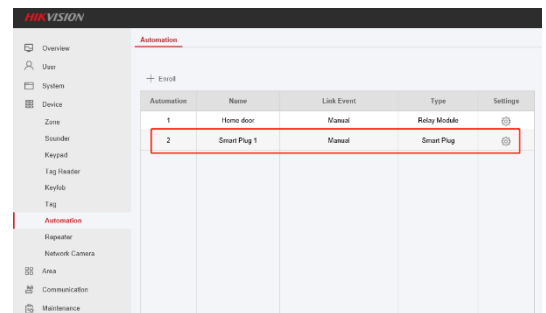
Feature Optimization

1 **Keypad, Tag Reader, Sounder Linked Area Optimization**

When the keypad, Tag reader, and sounder configured, support show the linked Area.
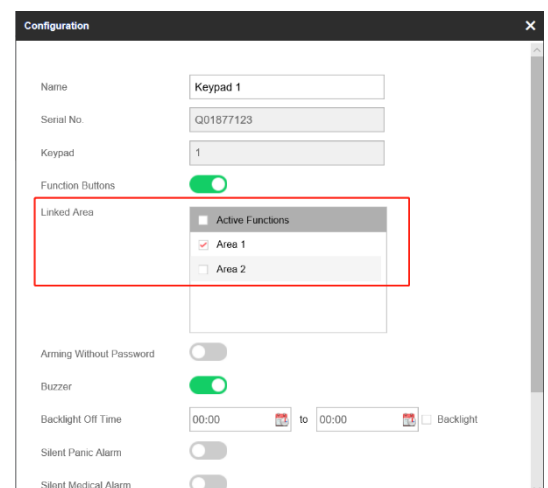
2 **Keyfob Status interface Optimization**

Support show current functions of Linked User， Ⅰ Key， Ⅱ Key and other key combinations

3 **PIRCAM Detector Status Page Optimization**

The PIRCAM Detector capture icon moves to the detector status page.

IP Cam G3 Platform　V5.5.150_200927 Release Note

For more details please refer to the release note and you can download firmware from hereunder link.

Download Link: https://one.hikvision.com/#/link/hZYYaaEAXHmqeavhi24z

Extract passwords： ge9d

Added Function

1 Support Face Capture function, and upload face attributes, including gender, age, glasses, mask, hat, beard.

1) You can find face capture function by switching VCA Resource. Switching it will need a reboot.

2) Face Capture mode include sending the mask wearing attributes, BUT DON'T support the mask detection alarm by the camera itself. The attributes can be sent to the NVR or the HCP and the alarm can be realized by them.

2 It supports the function of video expiration.

If the storage time of video exceeds the expiration time, it will be deleted, and the deleted video **CANNOT** be recovered.

3 Support SD card storage encryption
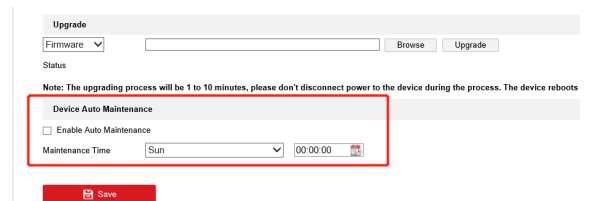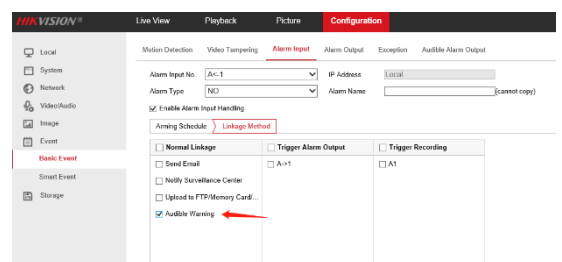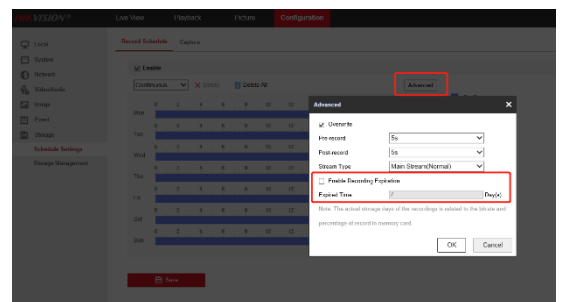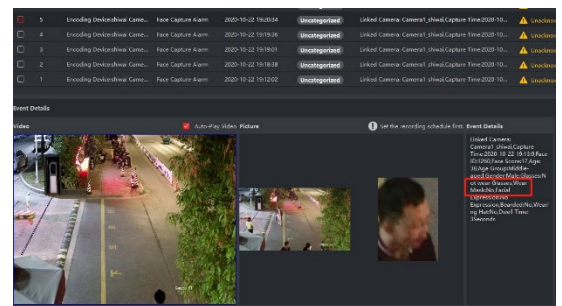The password CANNOT be found back.

4 Alarm input function linkage mode supports sound and light alarm. (only supported by the models of /SL)

5 Support video quality diagnosis. (Only supported by 3 series)

6 Support the automatic maintenance function: Set the automatic restart of the equipment, default close.

Hik-Connect 4.9.0 Release Note

For more details please refer to the release note and you can download APP from hereunder link.

APP Download Link: https://www.me-app.net/HikvisionAppStore

Release Note Download Link:
https://one.hikvision.com/#/link/rCrJPd7SOSl3toFwHfPi

Extract passwords：kJwJ

Added Function

1 **AX Pro.**

1) Supports setting event linkages for automations.

2) Supports applying the name of Hik-Connect account to AX Pro security control panel.

3) Supports acquiring the first frame of the alarm-related video recorded by PIRCAM detector and displaying the acquired image on the notification list on the Mobile Client.

4) Supports unlocking keypad and tag reader when maximum failure attempts is reached.

5) Supports creating and deleting local users. Local users are usually created for people who do not have a smart phone or do not know how to use it, which makes the Mobile Client unavailable to them. They can use dedicated tags or keyfobs to operate security control device.

6) Supports reminding the user to configure network when they access the device via cellular network.

7) Supports showing risk prompt when the user disables the EN50131 Standards Compliant mode.

2 **Others**

1) Supports viewing video tutorials about how to share device to others by tapping the question mark icon.

2) Supports showing the latest available device version on the device settings page.

   Note: This function requires device support.
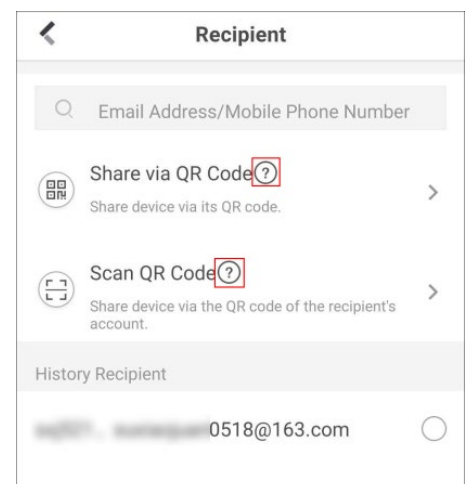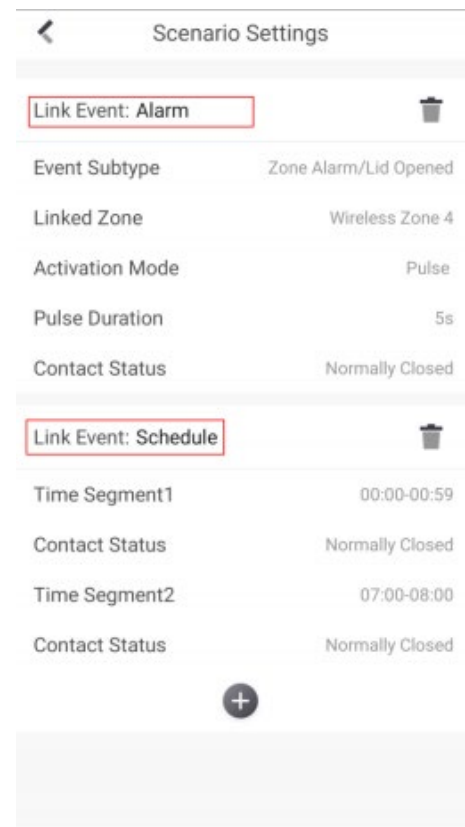
Hikvision South Africa Experience Fully Updated and Open for Booking

Come and enjoy exhibits of our latest products and technology with an expert in the field willing to explain everything that is needed to know!

Book a tour by contacting Jade on WhatsApp on +27 (0)60 441 3111

We look forward to seeing you there.

How AI-powered hard-hat detection is keeping workers safe ?

Hard hats save lives: but only if people wear them. Discover how intelligent, AI-powered hard-hat cameras are helping to ensure workers in dangerous locations stay safe at all times.

Enforcing safety in a busy environment

In spite of the risks, enforcing hard hat use can be challenging, as people can forget or decide not to put them on. This means site managers must keep a constant lookout, but that's not always easy in a distracting, noisy environment with vehicles, materials and people always moving around, often over multiple levels.

That's why many organizations are turning to AI-powered solutions that intelligently help identify if people are complying with hard-hat safety rules.

AI Cameras watching out for workers

In real life, artificial intelligence technology is being used around the world every single day to make workplaces operate more efficiently, more productively, and of course more safely.

The latest hard-hat detection video cameras use embedded AI algorithms to 'learn' what a person wearing a hard hat should look like. They then apply this algorithm while scanning a site, rapidly identifying if anyone is working without a hard hat, and alerting management teams so they can take action. Of note, when a violation is detected, management teams can also send an auditory warning through the on-site speaker to remind people of the rules.

AI-powered Hard Hat Detection from Hikvision

Hikvision's AI-powered Hard Hat Detection Cameras are equipped to intelligently detect if workers are or are not wearing safety headgear. The high definition cameras constantly scan your site, rapidly sounding an alert if someone is identified as breaching defined rules. Cameras can also be linked with access control systems, to ensure that members of staff are wearing hard hats from the moment they enter a hazardous location.

Learn More

Fisheye cameras: broad surveillance and better business insight in one discreet package

Installing a surveillance solution that offers a clear view over a large area can require multiple cameras, extensive cabling, licenses, management – and the cost soon adds up. But through the latest AI-powered fisheye cameras, organizations can capture a broad field of view in a single discreet package – and gain a wealth of business insight in the process.

Cutting-edge fisheye cameras: the all-seeing eyes that offer a wealth of functionality Getting clear surveillance over a large area – such as a warehouse, a grocery store or a parking lot – isn't always the simplest task, and it typically calls for multiple cameras and cabling to be installed at a variety of locations, in order to cover all fields of view.

To tackle these challenges, many organizations are choosing to install cutting-edge fisheye cameras. These innovative, all-seeing eyes can deliver up to a 360 degree view of their surroundings.

Fisheye cameras work by using a panoramic lens to capture the view of multiple cameras in one single device. If positioned on the wall, they offer a 180 degree view, and when on the ceiling, they offer a 360 degree coverage of the floor below – with no blind spots.

However, the most advanced fisheye cameras on the market don't stop there. Through 'dewarping' software, users can choose to re-render a fisheye image into different formats, so that the camera behaves just like a virtual PTZ.

AI-based solution for security and business insight
In this way, a single fisheye camera is a very efficient and cost-effective way to achieve high quality surveillance of a large or complex area. What's more, the latest cameras with built-in heat mapping and people counting offer incredible insight for companies whose business thrives on sales.

Learn More

05 Hik Academy

Hik Academy

Explore the world of technology with Hikvision

Every Friday Morning 9:00-10:00

Topic	Date
Dashcam	10/09
Video Intercom	10/16
Ax PRO Series Alarm	10/23
Hik-ProConnect	10/30
Ultra 3 Series Cameras	11/06
ColorVu & AcuSense	11/13
Mobile Solution	11/20
Access Control	11/27
2nd Generation ANPR Solution	12/04
Project IP Cameras	12/11

Register Here

Thank you

Issue 5 to be released