Test Project

Module B – Video surveillance system installation

Intelligent Security Technology

Submitted by:

Shifan Xiao – Guangdong Vcom Education Technology, Independent Test Project Designer

Josué Emmanuel Reynoso Villanueva – TVET Mexico, Conalep GTO, Independent Test Project Validator

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Module B – Video surveillance system

Competition Time: 240 min

Competition tasks and requirements

Project description

A city is developing an intelligent security high-tech industrial park. High-value precision instruments are stored in the core production area of the park, and the requirements for safe production and security control in the factory area are strict. You are employed as a Senior Security Project Delivery Engineer and are responsible for the intelligent upgrade and renovation of the core production area and the security operation center.

The core project requirements are to deploy a video surveillance system and upgrade and build an integrated intelligent security management platform equipped with AI intelligent analysis capabilities. In a simulated test environment, Competitors shall complete the full-chain and full-stack implementation and delivery process from front-end hardware deployment, transmission network configuration, platform commissioning, to AI algorithm application implementation.

Instructions to the Competitor

1. At the beginning of the Competition, Competitors shall browse and confirm all task requirements. Competitors shall complete the tasks in the order provided in this Test Project to better manage the Competition pace and ensure the completeness of answers.
2. On-site network cables: only part of the finished network cables will be provided on site. Competitors shall make additional network cables as required. All network cables must be checked according to the required standard. If a cable does not meet the standard, it shall be remade immediately.
3. Device configuration: during the Competition, Competitors shall not modify device usernames or passwords unless required by the Test Project.
4. Troubleshooting: Competitors shall have basic system troubleshooting and fault-location ability and shall be able to inspect and make necessary adjustments to the operating environment by checking system logs, service status, network connectivity, and related configuration files.
5. Material saving: all screenshots or videos generated during the Competition must be saved uniformly in the designated folder: "Desktop\Exam Materials\Module B\Screenshots". Competitors shall ensure that the materials are complete and accurately named for subsequent assessment.
6. Screenshot requirements: all submitted screenshots must show the complete current screen. Screenshots must not be cropped or obscured.
7. A screenshot tool is provided, with the file path: Desktop\Exam Materials\Configuration Tool\Snipaste\Snipaste.exe

Initial information

DEVICE NAME	IP ADDRESS	USERNAME	PASSWORD
Serial Port Server	192.168.0.80	admin	12345678
NVR	192.168.1.88	admin	123456
Bullet Camera	192.168.1.*	admin	123456
Dome Camera	192.168.1.*	admin	123456

PLATFORM NAME	ACCESS ADDRESS	USERNAME	PASSWORD
Intelligent Security Central Control Platform	192.168.3.122	admin	vcom@2026

Important notes

During previous maintenance, operation and maintenance personnel may have modified device IP addresses. Some IP address segments are only roughly remembered, such as 192.168.1.*. Competitors need to use a network scanning tool to discover the actual IP address of the device before configuration.

All devices in the global system must be configured with unique IP addresses. Duplicate IP addresses are not allowed. IP conflicts may cause device communication failure and prevent devices from functioning properly.

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Competition tasks

Task 1 – Equipment installation and planning and design of security systems

Task description

The project has entered the first stage: infrastructure construction. The construction team has completed the cable trunking installation.

According to the requirements of Equipment Installation Design Drawing.drawio located at Desktop\Exam Materials\Module B\Equipment Installation Design Drawing\Equipment Installation Design Drawing.drawio, complete the device installation on the assigned workstation.

Prior to cable routing and wiring construction, finish the System Connection Design Drawing. All cables shall be routed reasonably, neatly and orderly.

The entire installation process shall ensure that the equipment is securely fixed and accurately positioned.

Requirement 1

1. Launch the drawing software. Navigate to Desktop\Exam Materials\Configuration Tool\draw.io\ and double-click draw.io.exe to start the program.
2. Import the equipment library. Navigate to File → Import Library, and select the file Desktop\Exam Materials\Module B\draw.io Equipment Library\Video Surveillance System.xml to complete the equipment library import.
3. Open the drawing project. Open the file System Connection Design Drawing.drawio for diagram editing.
4. Place all required devices on the canvas, all nine (9) pieces of equipment as listed:

Bullet Camera, Dome Camera, Power Supply Cabinet, Switch, Serial Port Server, Audible and Visual Alarm (RS485), NVR, Computer, Rack PDU.

Ensure all nine (9) devices are fully displayed with no omissions or incorrect model information. Capture a screenshot of this view and save it to `Desktop\Exam Materials\Module B\Screenshots` with the filename B-1-1.png.

Requirement 2

Complete the full editing and connection debugging of System Connection Design Drawing.drawio to ensure the system connection diagram is complete, standardized and compliant. Export the final finished diagram, and save it to the path Desktop\Exam Materials\Module B\Screenshots with the standard file name B-1-2.png

Requirement 3

Fill out the Construction Scheme and Schedule Arrangement document.

File path: Desktop\Exam Materials\Module B\Construction Scheme and Schedule Arrangement\Module B-Construction Scheme and Schedule Arrangement

Key requirements and notes

This module adopts a centralized wall-mounted installation method.

The equipment shall be installed in the corresponding positions shown in the equipment installation design drawing. Wiring shall be completed according to the requirements. Labels and cable ties shall be used for identification. Unused wire harnesses shall be insulated with electrical tape to prevent short circuits and equipment damage.

Task 2 – Camera configuration, installation, and network access verification

Task description

High-definition network cameras are the core front-end perception nodes of the future community intelligent security system. They undertake the basic functions of full-area video collection and image return. Their installation standardization, network connection stability, and video stream quality directly determine the implementation effect of subsequent AI intelligent analysis, event alarms, device linkage, and other services.

To build a standardized video surveillance basic perception network covering the public areas of the community, the physical installation and deployment, standardized network parameter configuration, and full-process access verification of the dome camera and bullet camera shall be completed. Competitors shall complete device physical wiring and static IP parameter configuration according to standards, verify network connectivity and RTSP video stream quality layer by layer through scripted tools, and ensure that the cameras are stably connected to the network and that video collection is clear and smooth, providing reliable video data source support for subsequent AI intelligent analysis and security device linkage.

Supplementary Note on Camera Parameter Configuration
Key camera network parameters (including service port numbers) can be retrieved directly from the local web management interface of each camera device. Checking these native device parameters beforehand facilitates accurate, error-free network configuration and RTSP stream access setup.

Configuration requirements

CONFIGURATION ITEM	DOME CAMERA	BULLET CAMERA
Camera Type	Dome Camera	Bullet Camera
Device Name	Dome Camera Test	Bullet Camera Test
Device Serial Number	Manual	Manual
Switch Port	1	2
Current Device IP Address	Manual	Manual
Target Address	192.168.3.168	192.168.3.118
IPv4 Subnet Mask	255.255.255.0	255.255.255.0
IPv4 Default Gateway	192.168.3.1	192.168.3.1
Preferred DNS Server	8.8.8.8	8.8.8.8

Alternate DNS Server	114.114.114.114	114.114.114.114
Username	admin	admin
Password	123456	123456

Requirement 1

Connect the two (2) cameras to the switch and connect the power cables and network cables.

Requirement 2

Searching for Device IP Addresses

Navigate to the directory path: Desktop \ Exam Materials \ Configuration Tool \ SearchTool, then double-click SearchTool.exe to launch the device search utility.

Click the Refresh button at the top of the interface to perform a full-subnet scan of all network devices across the local area network (LAN). Wait for the tool to complete the search, and the target camera device as well as its corresponding IP address information will be displayed in the device list.

Requirement 3

Completing IP Configuration for the Dome Camera

Open the web browser on your computer, enter the IP address of the network camera in the address bar and press Enter to access the device. Enter the administrator’s username and password to log in to the camera's web management console.

Click the Configuration tab on the top navigation bar. Expand Network settings in the left-side menu bar, then switch to the TCP/IP configuration tab. Modify the five (5) network parameters sequentially in accordance with the configuration requirements: IPv4 Address, IPv4 Subnet Mask, IPv4 Default Gateway, Preferred DNS Server, and Alternate DNS Server. Verify all parameters are correct before saving the configuration.

Requirement 4

Completing IP Configuration for the Bullet Camera

Open the web browser on your computer, enter the IP address of the network camera in the address bar and press Enter to access the device. Enter the administrator’s username and password to log in to the camera's web management console.

Click the Configuration tab on the top navigation bar. Expand Network settings in the left-side menu bar, then switch to the TCP/IP configuration tab. Modify the five (5) network parameters sequentially in accordance with the configuration requirements: IPv4 Address, IPv4 Subnet Mask, IPv4 Default Gateway, Preferred DNS Server, and Alternate DNS Server. Verify all parameters are correct before saving the configuration.

Requirement 5

Dome camera network connectivity script verification.
Launch Thonny: run Desktop\Exam Materials\Configuration Tool\thonny\thonny.exe;
Open the preset script ping_check.py in the path Desktop\Exam Materials\Module B\Resource Package.

Modify the target IP in the script to the dome camera address 192.168.3.168, save, and run the script.

After the script finishes running, the Shell console shall output the prompt: ☑ Network connection is normal and can be accessed normally! This verifies that the device network link is smooth. Capture the complete full-screen Thonny interface. The image shall include both the code editing area and all Shell console output,and clearly display the normal connection prompt text "Network connection is normal and accessible" The screenshot file shall be named B-2-1.png.

Requirement 6

Bullet camera network connectivity script verification.

Launch Thonny: run Desktop\Exam Materials\Configuration Tool\thonny\thonny.exe;

Open the preset script ping_check.py in the path Desktop\Exam Materials\Module B\Resource Package.

Check the script and fix any syntax errors within it.

Modify the target IP in the script to the bullet camera address 192.168.3.118, save, and run the script.

After the script finishes running, the Shell console shall output the prompt: ☑ Network connection is normal and can be accessed normally! This verifies that the device network link is smooth. Capture the complete full-screen Thonny interface. The image shall include both the code editing area and all Shell console output and clearly display the normal connection prompt text "Network connection is normal and accessible". The screenshot file shall be named B-2-2.png

Requirement 7

Launch Thonny: run Desktop\Exam Materials\Configuration Tool\thonny\thonny.exe;

After completing OpenCV dependency library configuration and runtime environment validity verification, open the preset script rtsp_stream_tester.py under the path Desktop\Exam Materials\Module B\Resource Package. Check one by one that the video stream address, port, authentication account, and other core parameters in the script are completely consistent with the configuration requirements.

The video stream system adopts dome cameras as front-end acquisition devices.

Camera address 192.168.3.168.

Troubleshoot and fix all abnormal errors in the script to ensure that the script can normally execute all of the following functions:

Automatic construction of RTSP access URL
Device authentication information connectivity test
Video stream availability pull-stream detection
Video stream quality indicator analysis
After the script finishes running, capture the complete full-screen Thonny interface. The image shall include both the code editing area and all Shell console output and shall clearly show the three (3) core contents:
Authentication test result: Passed; Error information: No exception; Stream availability: Normal pull-stream available. Cropping the window border or blocking key information is prohibited. The screenshot file shall be named B-2-3.png.

Requirement 8

Log in to the back end of the Video Surveillance System and go to Device Management > Camera List. Complete the new configuration of the dome camera according to the parameters and save. Return to the Camera List page and capture the complete interface containing the device item. The screenshot shall clearly show all configuration parameters:

PLATFORM NAME	ACCESS ADDRESS	USERNAME	PASSWORD
Intelligent Security Central Control Platform	192.168.3.122	admin	vcom@2026

ITEM	REQUIRED CONTENT
Device Type	Dome Camera
Device Name	Dome Camera Test
Device Serial Number	2C6F519F34E
Serial Port/Port	1
IPv4 Address	192.168.3.168
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	192.168.3.1
Destination Address	192.168.3.168
Preferred DNS Server	8.8.8.8
Alternate DNS Server	114.114.114.114
Username	admin
Password	123456

Save the camera list interface screenshot as B-2-4.

Requirement 9

Log in to the back end of the Video Surveillance System and go to Device Management > Camera List. Complete the new configuration of the bullet camera according to the parameters and save. Return to the Camera List page and capture the complete interface containing the device item. The screenshot shall clearly show all configuration parameters:

ITEM	REQUIRED CONTENT
Device Type	Bullet Camera
Device Name	Bullet Camera Test
Device Serial Number	123456789
Serial Port/Port	2
Current IP Address	192.168.3.118
Destination Address	192.168.3.118
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	192.168.3.1
Preferred DNS Server	8.8.8.8
Alternate DNS Server	114.114.114.114
Username	admin
Password	123456

Name the screenshot B-2-5.png.

Requirement 10

Log in to the back end of the Video Surveillance System and go to Device Management > Camera List. Find the added dome camera item and click the Preview button to enter the real-time preview page. After confirming that the video image is playing normally, capture the complete preview interface. The screenshot shall show both the device type as dome camera and the real-time video playing normally. Name the screenshot B-2-6.png.

Requirement 11

Log in to the back end of the Video Surveillance System and go to Device Management > Camera List. Find the added bullet camera item and click the Preview button to enter the real-time preview page. After confirming that the video image is playing normally, capture the complete preview interface. The screenshot shall show both the device type as bullet camera and the real-time video playing normally. Name the screenshot file B-2-7.png.

Task 3 – NVR installation and configuration

Task description

To meet the business requirements of centralized storage, historical playback, and unified management of community surveillance video, the full-process deployment of NVR recorder hardware access, network configuration, and platform management shall be completed. Competitors shall connect the NVR device to the switch and complete network parameter configuration, complete device addition and registration in the Video Surveillance System and verify the device online status. Competitors shall also complete video preview verification of the associated cameras to ensure that the NVR can access the platform normally and stably carry video stream storage services, providing reliable data support for security event review and evidence collection.

Configuration requirements

CONFIGURATION ITEM	CONFIGURATION CONTENT
Device Name	Test NVR
Device Type	nvr
Device Serial Number	9857
Device IPv4 Address	192.168.3.123
Subnet Mask	255.255.255.0
Default Gateway	192.168.3.1
Preferred DNS Server	114.114.114.114
Alternate DNS Server	8.8.8.8

Requirement 1

Connect the NVR device to the switch and set the IP address.

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Requirement 2

Log in to the backend of the Video Surveillance System and go to Device Management > NVR List. Complete the new configuration of the NVR device according to the parameters and save. Return to the NVR List page and capture the complete interface containing the device item. The screenshot shall clearly show all configuration parameters:

ITEM	REQUIRED CONTENT
Device Type	NVR
Device Name	Test NVR
Device Serial Number	9857
IPv4 Address	192.168.3.123
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	192.168.3.1

The screenshot file shall be B-3-1.png.

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Task 4 – AI intelligent analysis and linkage function – video stream configuration

Task description

This task is the prerequisite basic configuration stage for the AI intelligent analysis module. To ensure that the AI intelligent analysis algorithm can stably pull and parse camera video streams, the standardized configuration of the transmission protocol and encoding format of the bullet camera shall be completed. Competitors shall configure the RTSP docking protocol and H.264 encoding parameters for the specified camera in the backend of the Video Surveillance System, ensuring that the output video stream fully adapts to the access standards of the AI analysis module and provides a compliant and stable video data source for subsequent abnormal behavior recognition and intelligent alarm linkage functions.

Configuration requirements

CONFIGURATION ITEM	CONTENT
Associated Camera	Bullet Camera Test
Docking Protocol	RTSP
Encoding Format	H.264
Associated Camera	Dome Camera Test
Docking Protocol	RTSP
Encoding Format	H.264

Requirement 1

Log in to the back end of the Video Surveillance System and go to Device Management > Camera List. Select the Bullet Camera Test device and enter the video stream configuration interface. Click New to open the configuration pop-up window. Complete the core parameter settings, including associated camera, docking protocol, encoding format, and video stream address, according to the specifications, and save to make the configuration effective. Capture the complete pop-up window interface after configuration. The screenshot shall clearly present all configured items. The screenshot of the Edit page shall be saved as B-4-1.png.

Requirement 2

Log in to the back end of the Video Surveillance System and go to Device Management > Camera List. Select the Dome Camera Test device and enter the video stream configuration interface. Click New to open the configuration pop-up window. Complete the core parameter settings, including associated camera, docking protocol, encoding format, and video stream address, according to the specifications, and save to make the configuration effective. Capture the complete pop-up window interface after configuration. The screenshot shall clearly present all configured items. The screenshot of the Edit page shall be saved as B-4-2.png.

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Task 5 – Alarm setting – Not wearing safety helmet

Task description

The production and construction area of an industrial park is a high-risk operation control area. Failure of workers to wear safety helmets properly may cause safety production accidents such as object strikes and mechanical collisions. Traditional manual inspection has control shortcomings, including large coverage blind spots, delayed hazard discovery, and slow response, and cannot meet all-weather safety supervision requirements.

To strengthen intelligent safety control on the work site, one (1) AI special alarm rule for not wearing a safety helmet shall be created in the intelligent security platform. Competitors shall log in to the backend of the Video Surveillance System, bind the camera corresponding to the construction area, and complete the alarm basic information, arming time period, and AI detection algorithm parameter configuration according to the requirements. After the configuration takes effect, the system can identify in real time the violation of workers not wearing safety helmets and automatically trigger alarms, realizing active warning of safety hazards, event trace retention and archiving, and supporting closed-loop safety management handling.

Configuration requirements

CONFIGURATION ITEM	CONTENT
Associated Camera	Bullet Camera Test
Alarm Name	Not Wearing Safety Helmet Alarm
Alarm Level	High
Analysis Algorithm/Model Type	Warning of Not Wearing Safety Helmet
Working Days (Monday to Friday)	00:00:00-23:59:59
Holidays (Saturday and Sunday)	00:00:00-23:59:59
Additional Parameters	Manual Adjustment

Requirement 1

Log in to the backend of the Video Surveillance System. First go to Algorithm Model Management > Model Type to review the function description and parameter description of the Not Wearing Safety Helmet algorithm. Then go to Alarm Management > Alarm Settings and complete the full parameter configuration of the Not Wearing Safety Helmet alarm rule according to the configuration requirements. Capture the complete setting interface after configuration. The screenshot file shall be B-5-1.png.

Requirement 2

After the alarm rule is created and takes effect, Competitors shall simulate the operation behavior of not wearing a safety helmet within the monitoring range of the corresponding camera to trigger the AI analysis alarm. Then go to Alarm Management > Alarm Record to view and verify the generated AI alarm information. Capture the complete list interface containing this alarm record. The screenshot file shall be B-5-2.png.

Task 6 – Alarm setting – Crowd gathering

Task description

The main building lobby of the park is a core public area for personnel commuting, visitor reception, and business processing. During morning and evening peak periods and centralized meeting periods, short-term crowd gathering may occur, creating safety risks such as disorder, congestion, and stampede. Traditional manual security guarding has shortcomings such as delayed response, untimely control coverage, and difficulty in early discovery of gathering tendencies, and cannot realize all-weather and blind-spot-free order control.

To improve intelligent control of pedestrian flow order in public areas and prevent group safety incidents, an AI special alarm rule for crowd gathering shall be independently configured in the intelligent security platform. Competitors shall log in to the backend of the Video Surveillance System, bind the dome camera corresponding to the lobby area, and complete all alarm basic information, arming time period, and AI detection algorithm parameter configurations according to the requirements. After the configuration takes effect, the system can automatically identify crowd gathering behavior in the area and trigger early warning, assisting security personnel in timely order guidance and realizing early discovery and early handling of safety hazards.

Due to field operation limitations, the minimum trigger person count parameter for this task is set to 1. A single Competitor appearing in the image can complete the alarm simulation verification.

Configuration requirements

CONFIGURATION ITEM	CONTENT
Associated Camera	Dome Camera Test
Alarm Name	Crowd Gathering Alarm
Alarm Level	Medium
Analysis Algorithm/Model Type	Crowd Gathering Alarm
Working Days (Monday to Friday)	00:00:00-23:59:59
Holidays (Saturday and Sunday)	00:00:00-23:59:59
Additional Parameters	Manual Adjustment

Requirement 1

Log in to the backend of the Video Surveillance System. First go to Algorithm Model Management > Model Type and carefully read the Crowd Gathering Alarm algorithm description and parameter instructions. This task scenario uses a single person appearing in the image to simulate crowd gathering behavior. Then go to Alarm Management > Alarm Settings, strictly complete all alarm parameters according to the configuration requirements, and save. Capture the complete task setting interface after configuration. The file shall be named B-6-1.png.

Requirement 2

After the alarm rule is created and takes effect, the Competitor shall enter the dome camera monitoring image alone to simulate a crowd gathering scenario with a single person appearing in the image. Then go to Alarm Management > Alarm Record to view and verify the generated crowd gathering alarm information. Capture the complete list interface containing this alarm record. The file shall be named B-6-2.png.

Task 7 – Alarm setting - Personnel leaving post

Task description

The security central control duty room of the park implements a 24-hour on-duty management mechanism. If the duty personnel leave the post without authorization or the post remains unattended for a long period, a control vacuum will occur in park security warning and emergency handling, creating major security management vulnerabilities. Manual patrols cannot supervise on-duty status in real time or discover leaving-post hazards at the first time.

To supervise the duty room on-duty status around the clock, a personnel leaving post AI special alarm rule shall be independently created in the intelligent security platform. Competitors shall log in to the backend of the Video Surveillance System, bind the dome surveillance camera of the duty room, and fully configure the alarm basic information, duty arming time period, and AI detection algorithm parameters. After the configuration takes effect, the system can automatically identify scenarios where the post is unattended for a long time and trigger a high-level alarm, promptly push leaving-post warnings, and ensure the implementation of the park security duty system.

Configuration requirements

CONFIGURATION ITEM	CONTENT
Associated Camera	Dome Camera Test
Alarm Name	Personnel Leaving Post Alarm
Alarm Level	High
Analysis Algorithm/Model Type	Personnel Leaving Post Alarm
Working Days (Monday to Friday)	00:00:00-23:59:59
Holidays (Saturday and Sunday)	00:00:00-23:59:59
Additional Parameters	Manual Adjustment

Requirement 1

Log in to the backend of the Video Surveillance System. First go to Algorithm Model Management > Model Type and carefully review the function description and parameter meanings of the Personnel Leaving Post Alarm algorithm. Then go to Alarm Management > Alarm Settings, complete all alarm parameters according to the configuration requirements, and save the configuration. Capture the complete configuration pop-up window interface. The screenshot file shall be B-7-1.png.

Requirement 2

After the alarm rule is created and takes effect, Competitors shall simulate a personnel leaving post and unattended post scenario within the monitoring range of the dome camera to trigger the AI recognition alarm. After completing the simulation, go to Alarm Management > Alarm Record, and view and verify the generated personnel leaving post alarm item. Capture the complete list interface containing this leaving post alarm record. The screenshot file shall be B-7-2.png.

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Task 8 – Operation and maintenance: Alarm handling – Not wearing safety helmet

Task description

To implement the requirements for full-process standardized closed-loop operation and maintenance management of park security events, the alarm record checking, handling remark entry, and status completion process shall be completed for the violation alarm generated by AI recognition for not wearing a safety helmet. Competitors shall retrieve the corresponding alarm details, fill in standardized handling content, confirm completion, and retain the complete handling interface archive, realizing full-process traceability and verifiability of safety violation events and standardizing daily security operation and maintenance handling processes.

Configuration requirements

CONFIGURATION ITEM	CONTENT
Alarm Name	Not Wearing Safety Helmet Alarm
Model Type	Not Wearing Safety Helmet Alarm
Associated Camera Device	Bullet Camera Test
Alarm Level	High
Associated Rule	AI intelligent algorithm rules
Processing Content	Test

Requirement 1

Log in to the backend of the Video Surveillance System. Go to Alarm Management > Alarm Record and filter the record item with the alarm name Not Wearing Safety Helmet Alarm. Click the Handle button behind the corresponding item to pop up the alarm handling window. Enter Test in the required Processing Content field. Capture the complete alarm handling pop-up window interface. The file shall be B-8-1.png.

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Task 9 – Operation and maintenance: Alarm handling – Personnel leaving post

Task description

To realize standardized closed-loop management of AI alarm events, the personnel leaving post alarm record shall be checked and handled. Competitors shall view the alarm details, fill in handling remarks to complete the closed-loop operation, and retain alarm handling evidence, ensuring that the entire security event process is traceable and verifiable and improving the standardization level of community security operation and maintenance management.

Configuration requirements

CONFIGURATION ITEM	CONTENT
Alarm Name	Personnel Leaving Post Alarm
Model Type	Personnel Leaving Post Alarm
Associated Camera Device	Dome Camera Test
Alarm Level	High
Associated Rule	AI intelligent algorithm rules
Processing Content	Test

Task Requirements

Requirement 1

Log in to the backend of the Video Surveillance System. Go to Alarm Management > Alarm Record and filter the alarm record with the alarm name Personnel Leaving Post Alarm. Click the Handle button behind the item to pop up the alarm handling window. Enter Test in the required Processing Content field. Capture the complete alarm handling pop-up window interface. The file shall be named B-9-1.png.

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Task 10 – Operation and maintenance: Alarm handling – Crowd gathering

Task description

To implement the standardized closed-loop operation and maintenance mechanism for park security AI alarm events, the crowd gathering AI alarm record generated in the main building lobby shall be checked and handled. Competitors shall locate the corresponding crowd gathering alarm item, view the complete alarm details, fill in handling remarks to complete the event closure loop, and retain the handling interface archive, realizing full-process trace retention and traceable verification of pedestrian flow gathering safety events and uniformly standardizing daily park security operation and maintenance handling processes.

Configuration requirements

CONFIGURATION ITEM	CONTENT
Alarm Name	Crowd Gathering Alarm
Model Type	Crowd Gathering Alarm
Associated Camera Device	Dome Camera Test
Alarm Level	Medium
Associated Rule	AI intelligent algorithm rules
Processing Content	Test

Requirement 1

Log in to the backend of the Video Surveillance System. Go to Alarm Management > Alarm Record and filter the alarm record with the alarm name Crowd Gathering Alarm. Click the Handle button behind the item to pop up the alarm handling window. Enter Test in the required Processing Content field. Capture the complete alarm handling pop-up window interface. The file shall be B-10-1.png.

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