

# HUALIAN INDUSTRIAL

## Body Worn Camera

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# WELCOME to HUALIAN

# ABOUT US

Hualian Industrial is a technology-oriented high-tech enterprise that integrates information technology into intelligence, our scope covers the production of law enforcement equipment, including body worn camera, smart stun gun, rugged tablet and rugged notebook. Additionally, in terms of software system design services, Hualian Industrial independently develops intelligent management systems and security solutions, and can provide users with customized software and management systems according to the needs of different industries, aiming to provide customers with complete information technology construction services.

## What is our value ?



High Quality  
Solution Proposal



Creates Values  
for Our



Move Forward the  
Industrial  
Development



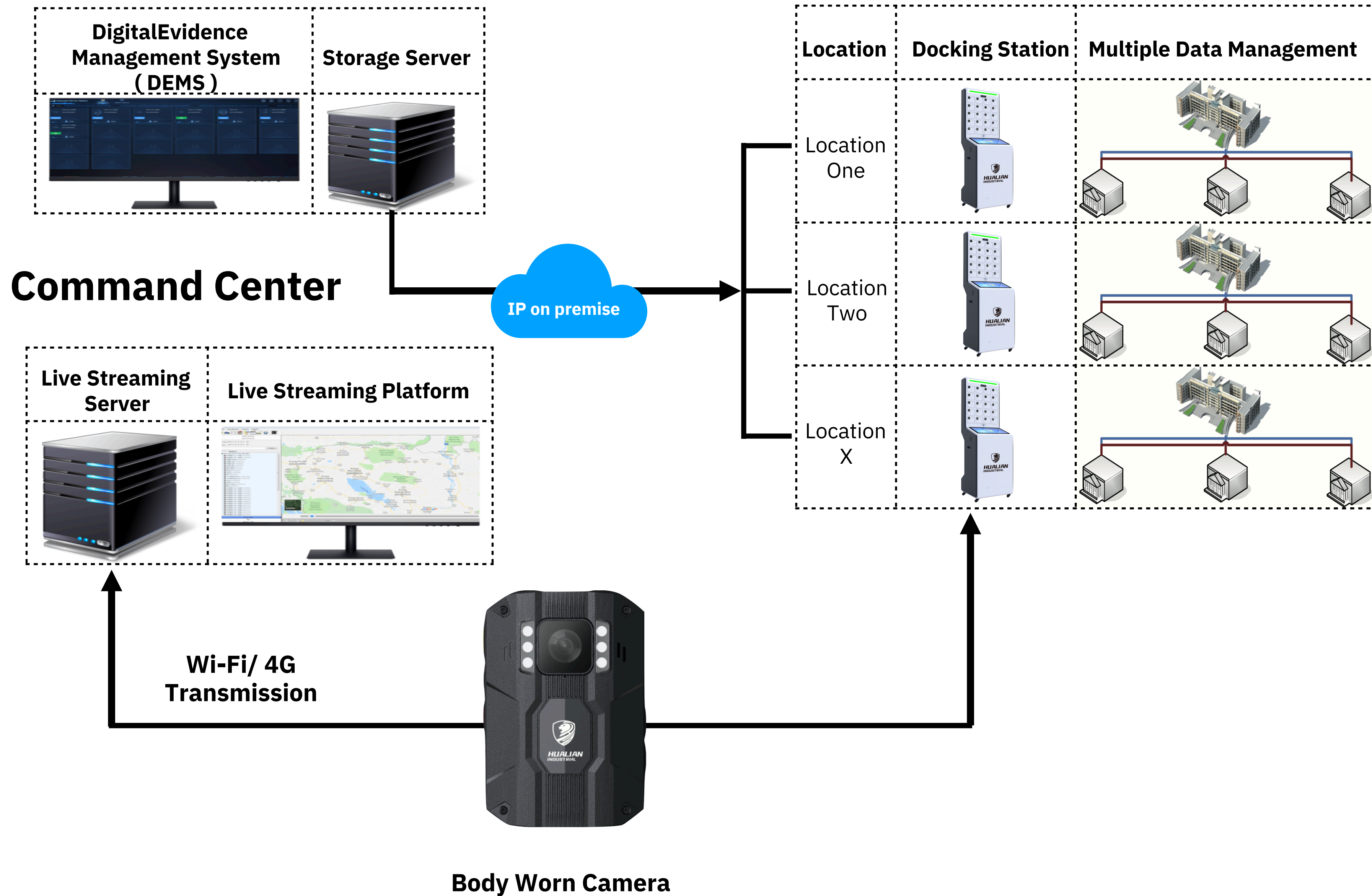
Customers  
Promote  
sustainable social  
development

## Research & Innovation

Hualian Industrial has always implanted the customer's quality requirements and expectations into the company's supplying chain system, integrated and quickly responded to customer needs, to ensure customers can experience the company's creation of value for each customer and provide high-quality products , services and solutions, so as to achieve the sustainable development of the relationship between enterprises and customers.

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# Body Worn Camera ( BWC )



**System Diagram**

# New Hualian Body Worn Camera: BVH004W 2024 Model

- The BVH-004W shall be capable of streaming high-quality, low-latency, real-time video and audio with bandwidths ranging from as low as 9kbps to 2mbps, and all bandwidths in between. It supports over-the-air high-resolution image retrieval of up to 1080p in user-definable areas via high-quality JPEG format. Additionally, it enables over-the-air archive retrieval for remote access to stored data or images

Our Hualian Body-Worn Camera (BVH-004W) fully complies with the specified 3G/4G transmission bands, supporting:

- TDD LTE: Bands 38, 39, 40, 41
- FDD LTE: Bands 1, 3
- WCDMA: Bands 1, 2, 5
- TDSCDMA: Bands 34, 39
- EVDO: BCO (824.025-848.985M UL, 869.025-893.985M DL)



# “INDUSTRIAL” IMAGE CHIPSET SOLUTION – AMBARELLA S5L

OS

Linux

Encryption

AES-XTS 256

Module design

Dual injection  
module

Endurance

More than 11 hours

HDR

Support

IP rate

IP68



# BVH-004W Technical Parameters

## System Design

Operation System	Linux / RAM 1 GB
Storage	64 GB
Lens	5.0MP
Anti-shock	EIS
Positioning	GPS, Galileo, GLONASS,
FOV	122 degree
Distortion	< 5.1%
Infrared	>3 meters
Network	4G / Wi-Fi 2.4 Ghz / 5Ghz
Wi-Fi	802.11a / b / g / n / ac
Wi-Fi security	WPA2-PSK
Video protocol Transmission	ONVIF
Pre-Event recording	2 mins
Post-event recording	5 mins
Encryption	AES-XTS-256

## Physical Specs

Work Tempt	(-30±3) °C to+ (55±2) °C
Storage Tempt	(-40±3) °C to+ (60±2) °C
Humidity	(93±3) %
Display	2.0inch/ 320 * 240resolution / TFT IPSscreen / 4:3 ratio / tempered glass / Capacitive Touch Screen / OSD ENGLISH
Dimension	87 * 60.5 * 29.5 mm
Weight	157 gram
Battery	Lithium Polymer Battery / 2900mAh / 4.35V
Battery life	Up to 10 hours @1080P 30fps recording time
Ingress protection	IP 68
Drop test	Comply to MIL-STD-810H
Mounted system	Pocket mount / MOLLE mount / Four point harness / Wing clip mount
Buttons	Audio / Tag / Photographing / Recording / Power Switch / PTT / LTE / SOS
Indicator Lights	Green / Yellow / Red
Interface	USB Type -C can be transfer & charging thru USB 2.5mm Audio Jack/ Pogo pin

## Imaging Specs

Video Compression	H.264/ H.265
Video Resolution	480p/ 720P / 1080P / 1296P / 1440P / 1596P
Video Format	.mp4 (with watermarks and AES-256 encryption)
Video Division	5 / 10 / 20 mins
Tagging	Supports
Video Lines	1000line (2688 * 1512P)
Pixels	5M / 20M / 80M
Image Format	.JPEG
Image Lines	1100lines
Microphone	Built-in
Loudspeaker power	1.0 W



# Rugged Design

- Through the drop test of "2 meters height in 8 different angles", the surface of the product has no obvious scratches and the lens is not damaged, make sure it can work normally even in harsh conditions.
- Through the test of "continuous immersion in water depth of 1.2 meters for up to 60 minutes", the product has been in a normal working state during this period, proof that the air tightness is pretty secure.
- Use tempered glass to protect the screen.





**Car Press Test**

**Weight 1500kg**

## Harsh environment testing

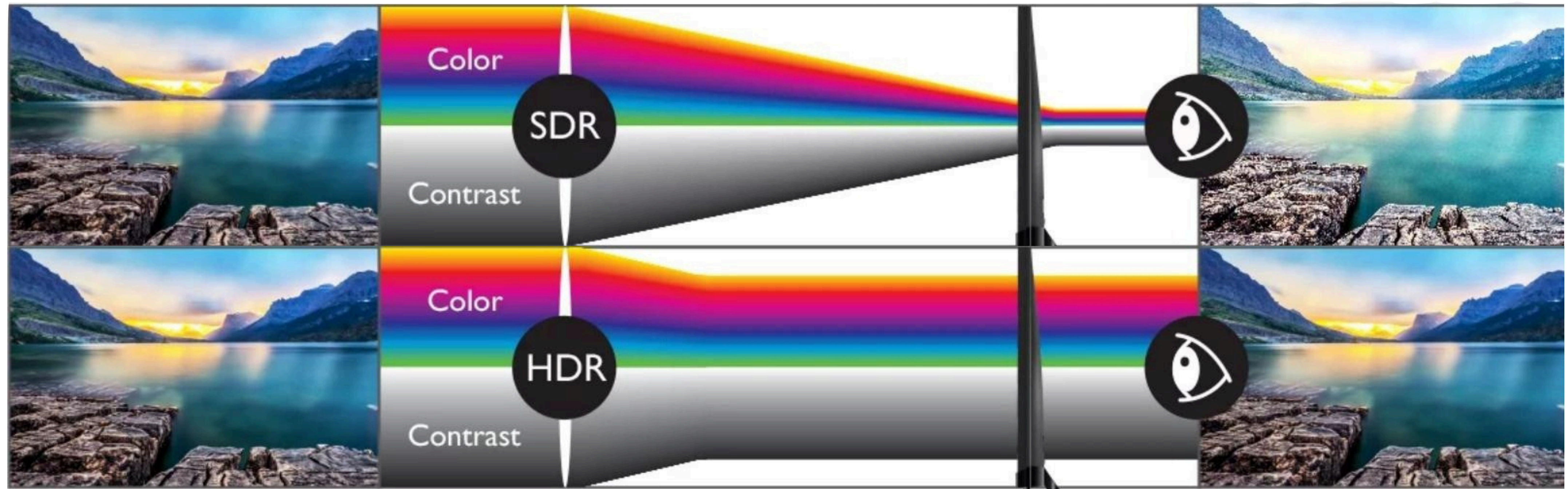
- Car press test
- Waterproof test
- Electronic shock test

Recording

Post-Editing

Display

Restore Effect



## Super Lighter Catcher - HDR

- Input rate over 480M pixels/s
- Multiple Exposure Line Staggered HDR Hardware Lens Distortion Correction with auto white balance
- Electronic Image Stabilization (EIS)
- Dual independent sensor inputs
- 3D motion compensated noise reduction (MCTF)

# Why HDR is necessary ?



Without HDR

With HDR

# Premium Recording Quality in Evening.



Infrared light recording

Day& Night Switch

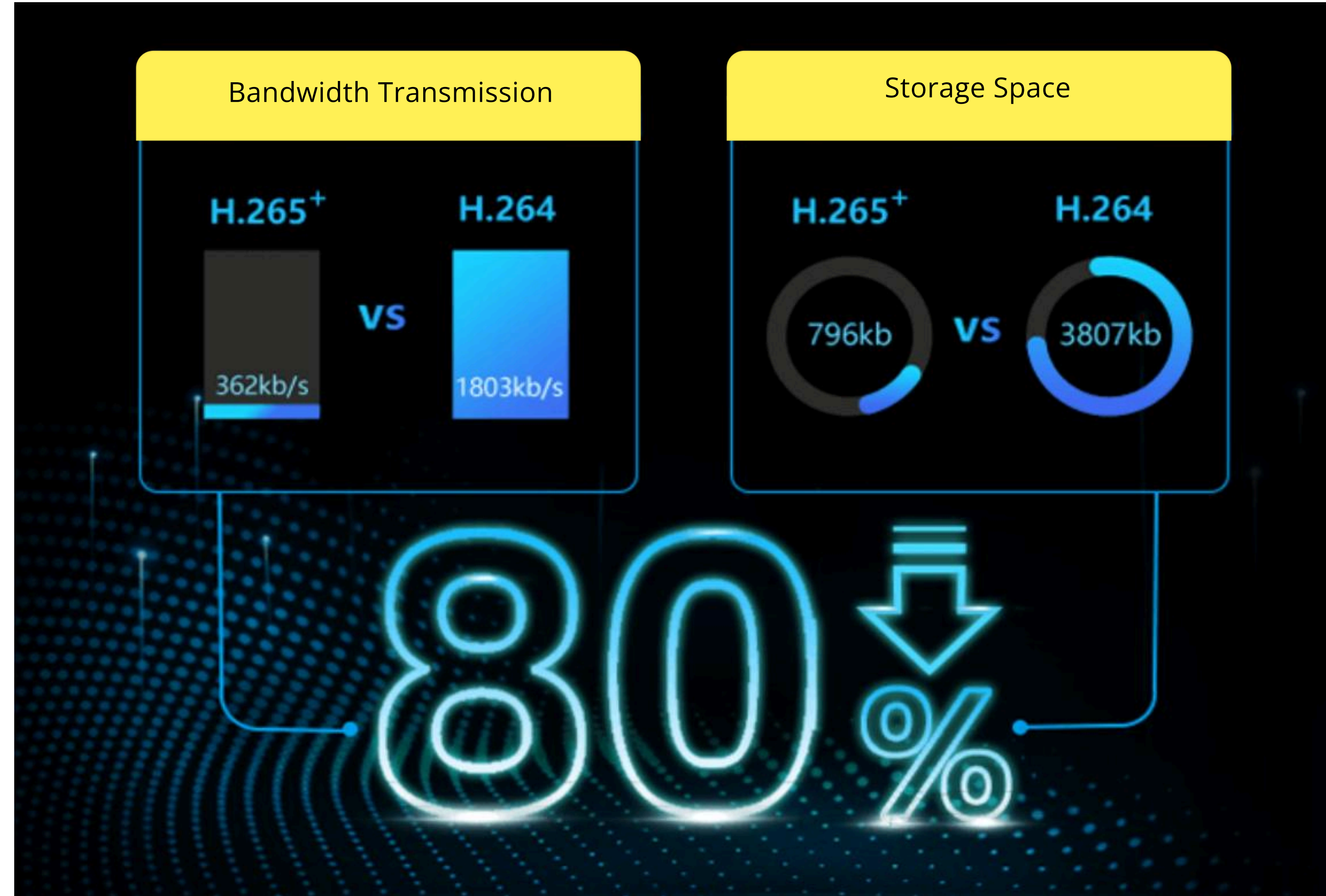
# Data Security & Encryption

- The video files in the recorder are encrypted.
- To ensure data security, to enter the BWC file management, needs the dedicated software to playback.

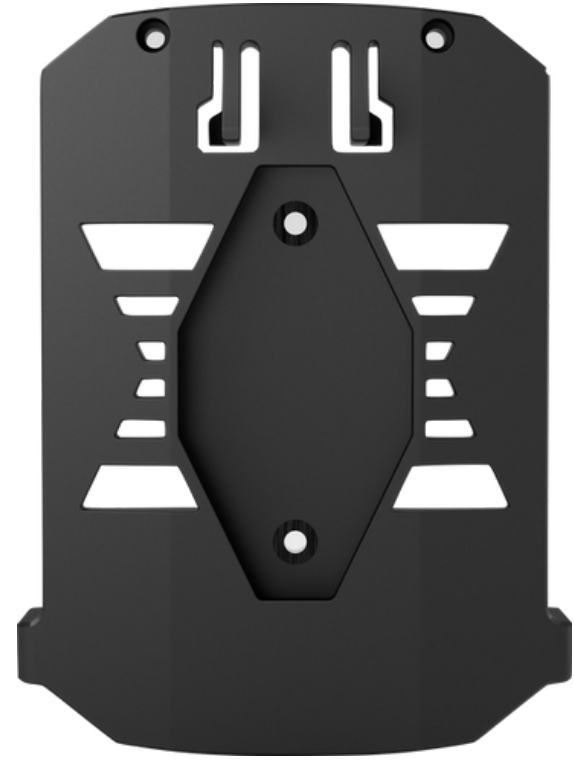


# H.265 Advantage

1. The intra prediction mode of H.265 standard video supports 33 directions, and provides better motion compensation processing and vector prediction methods.
2. Repeated quality comparison tests have shown that the video size encoded by H.265 will be reduced by about 39-44% compared to H.264 at the same image quality.
3. The data obtained through the subjective visual test shows that when the bit rate is reduced by 51-74%, the quality of H.265 encoded video can be similar to or even better than that of H.264 encoded video. The expected signal-to-noise ratio is better.
4. Compared with the subjective visual test of H.264 and H.265 encoded video, the bit rate of the latter is greatly reduced than that of the former.



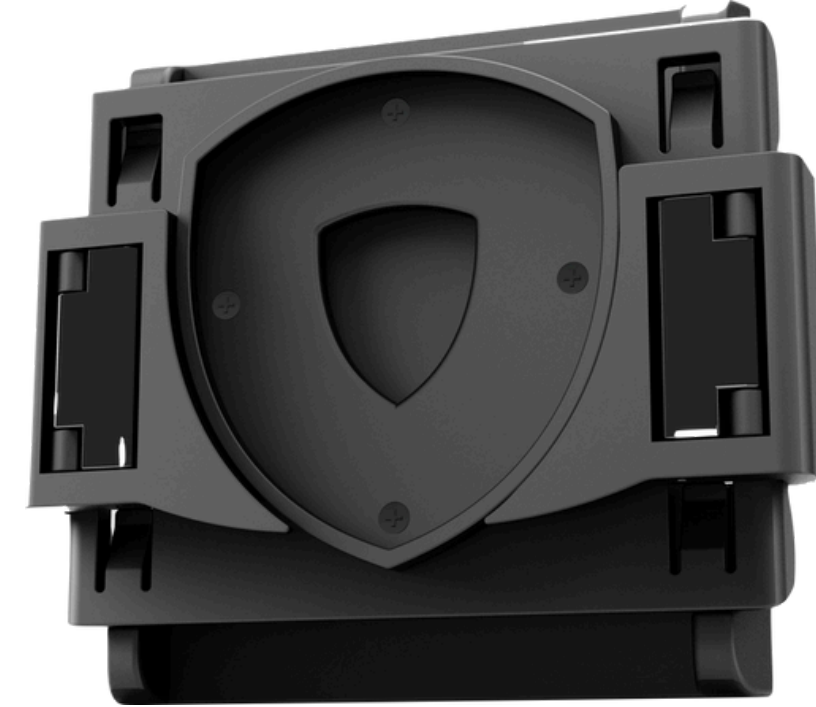
# BVH\_004W Accessories



Hold Clip



Eagle hook



Wings clip



Chest harness



Dual molle



# Live Streaming Platform

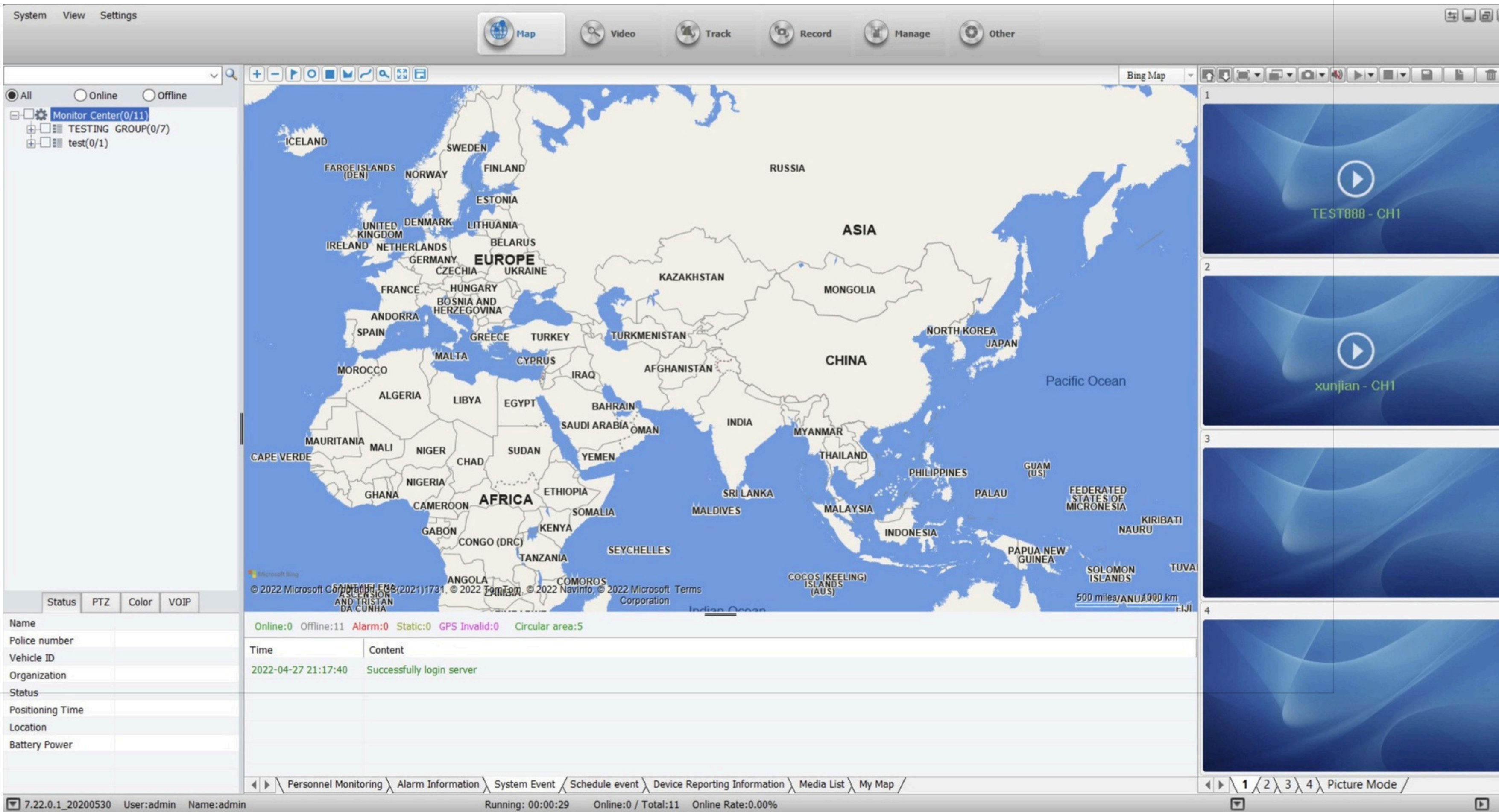
## Wi-Fi / 4G network



# Functionalities

## Map

1. The platform can monitor all the BWC registered at the police station.
2. It can track the BWC's location using latitude and longitude.
3. We can view live GPS streaming alongside the video stream or play recorded videos through positioning.



The screenshot displays a monitoring software interface. At the top, there are menu options: System, View, and Settings. Below the menu is a toolbar with icons for Map, Video, Track, Record, Manage, and Other. The main area features a world map with a sidebar on the left containing a tree view of monitoring centers and groups. The bottom section includes a status bar with various indicators and a video player with four channels, each showing a play button and a label (e.g., TEST888 - CH1, xunjian - CH1).

System View Settings

Map Video Track Record Manage Other

All Online Offline

Monitor Center(0/11)

TESTING GROUP(0/7)

test(0/1)

ICELAND FAROE ISLANDS (DEN) SWEDEN FINLAND NORWAY ESTONIA RUSSIA

EUROPE ASIA

AFRICA

CHINA

Pacific Ocean

Indian Ocean

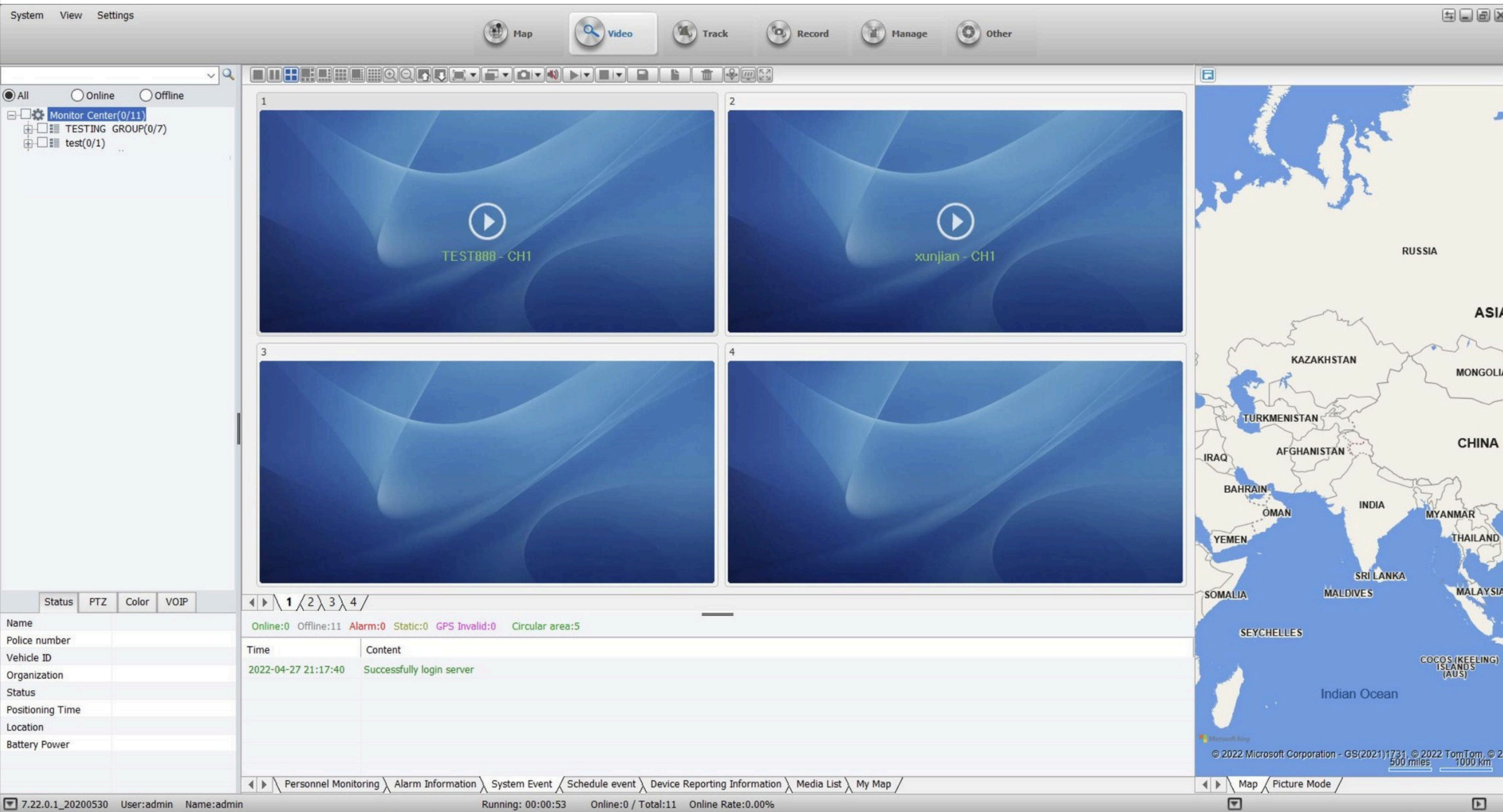
Online:0 Offline:11 Alarm:0 Static:0 GPS Invalid:0 Circular area:5

Time Content

2022-04-27 21:17:40 Successfully login server

Personnel Monitoring Alarm Information System Event Schedule event Device Reporting Information Media List My Map

7.22.0.1\_20200530 User:admin Name:admin Running: 00:00:29 Online:0 / Total:11 Online Rate:0.00%



## Functionalities

### Videos

1. The platform offers real-time monitoring of all registered cameras, providing high-quality video and audio over wireless, wireline, and Wi-Fi, with secure end-to-end encryption for transmission to the Command Center, and features advanced functionalities to view, bookmark, and analyze recordings in HD.
2. Can configure the camera's resolution and image quality in command center.
3. Can snapshot the image while recording.
4. Can launch the emergency call from the recorder to the command center via hold the button " SOS " in the right side of the camera and start the voice communication.

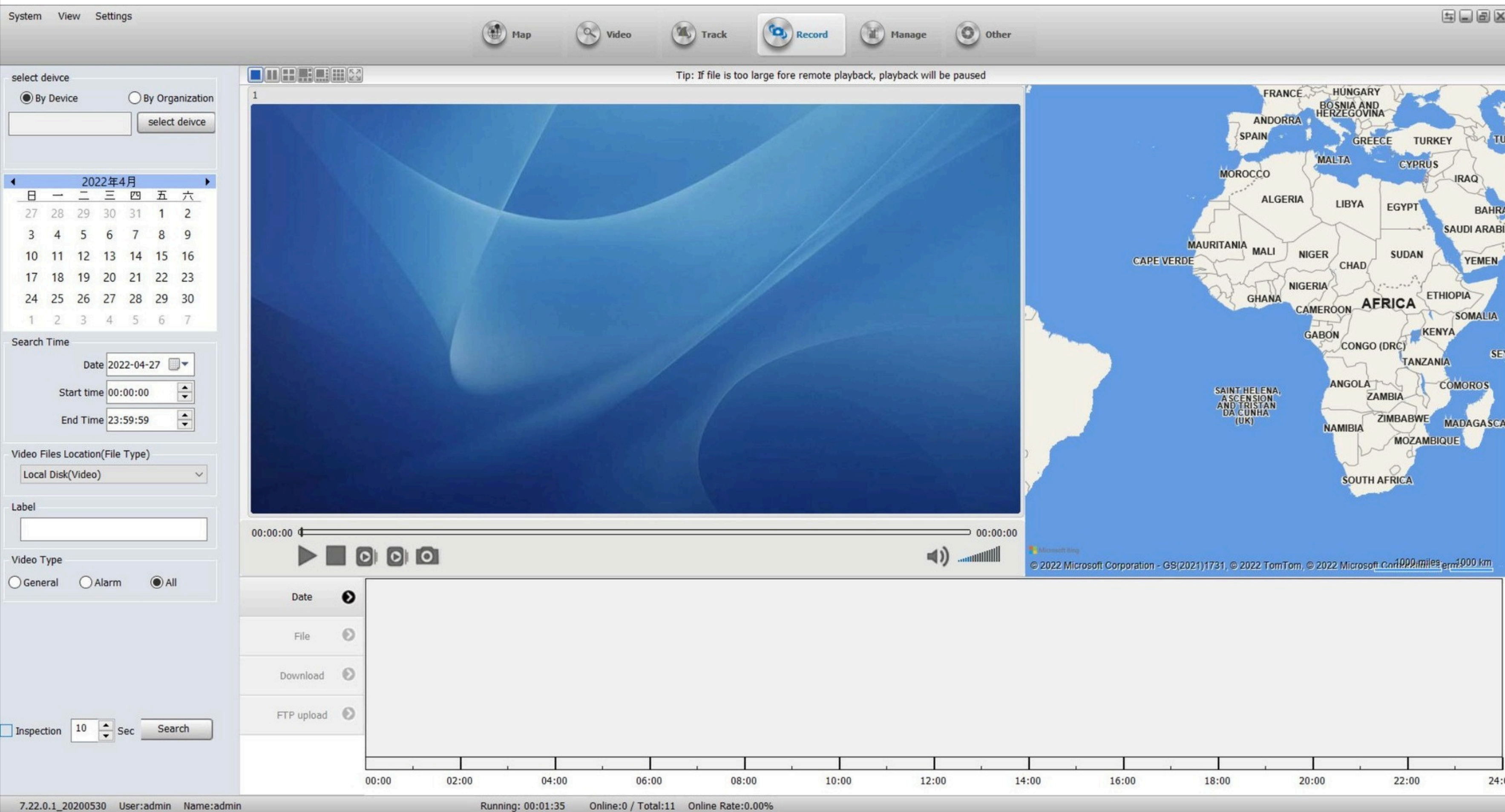
# Functionalities

## Track

1. Can track the history of any recorders via data / time.

The screenshot displays the 'Track' functionality of the HUALIAN software. The interface includes a menu bar (System, View, Settings), a toolbar with icons for Map, Video, Track, Record, Manage, and Other, and a search bar. A calendar for April 2022 is visible on the left. The main area features a world map with various countries labeled. Below the map is a data table with the following columns: Track, Number, Date / Receive Time, Position, Supplement, Description, Status, and Alarm. The table is currently empty. At the bottom, there are playback controls (play, stop, refresh, etc.), a speed slider, a position slider, and buttons for File, Search, and Track Style Set. The status bar at the bottom shows '7.22.0.1\_20200530 User:admin Name:admin Running: 00:01:14 Online:0 / Total:11 Online Rate:0.00%'.

Track	Number	Date / Receive Time	Position	Supplement	Description	Status	Alarm
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## Functionalities

### Record

1. Select any of the recorder, and chose the date, can check the files save in the server and download online and playing back.

2. Can also check the “ facial recognitional “ history, the recorder can detect the ” WANTED “ people, their image save in the recorder, and one detected and recognized, it will send the message to the back end system for backup support.

System View Settings

Map Video Track Record **Manage** Other

Visual Command Platform Reports Police Man... Rules Server

Police Information

User Role Information Department Information

Sel Status Select Department Name/Number Of Police Officers All Police Fast New Add MOD Co. Batch Del EXP Excel IMP Excel

	Operate	Index	Number Of Police Officers	Name	Equipment Number	contact	Status	Department	Last Time On Line	Service Expiration Time
<input type="checkbox"/>		1	Test	Test	dc123420	12	Offline	TESTING GROUP	2022-04-26 16:52:51	No Service
<input type="checkbox"/>		2	Test	Test	dc123430	123456	Offline	Test	2022-04-16 10:41:49	No Service
<input type="checkbox"/>		3	TEST000002	test2	test000002	1234	Offline	Test	2022-03-22 11:40:42	No Service
<input type="checkbox"/>		4	test1	HLtest	hl123420	1234	Offline	Test	2022-04-20 17:32:26	No Service
<input type="checkbox"/>		5	TEST888	TEST888	uid0000539	111	Offline	TESTING GROUP	2022-04-22 17:19:38	No Service
<input type="checkbox"/>		6	WINDOU	WINDOU	dc12311	123	Offline	TESTING GROUP	2022-04-05 14:50:44	No Service
<input type="checkbox"/>		7	XUNJIAN	xunjian	uid0000233	12345	Offline	TESTING GROUP	2022-04-21 23:09:50	No Service
<input type="checkbox"/>		8	Test	Test	dc123480	111	Offline	Test	2022-04-14 13:59:51	No Service
<input type="checkbox"/>		9	Test	Test	xn00000001	11	Offline	Test	2022-03-28 10:23:45	No Service
<input type="checkbox"/>		10	Test	Test	uid0000399	12	Offline	Test	2022-04-21 11:57:52	No Service

Per Data 15 The 1 Page Total 1Page Displaying by 1 to 10 Total of 10 Records

# Functionalities

## Manage

- 1.The administrator can add / delete the police information.
- 2.The administrator can limit different role different rights.
- 3.The administrator can edit the device information.
- 4.The administrator is the highest role in the entire system and can allocate the department and personnel and device relevant info.

# Specification Summary:

1. Supports live video streaming from body-worn cameras to a centralized system. (The client software will be installed in a Windows OS computer, servers or laptop for viewing and management).
2. The software is available for both Android and iOS devices, allowing users to download the app and securely log in with their account credentials to access the body-worn camera's live feed.
3. Only authorized users with valid credentials can access video streams, enforced through secure login and role-based access control.
4. Access from public networks will be securely protected, ensuring controlled and safeguarded entry into the system which Supports encrypted data transmission.
5. The client/server system meets all specified requirements:
  - - The system supports a minimum video stream quality of 480p to 720p.
  - - Video stream quality can be configured from high to medium and low settings.
  - - Full HD resolution video frames can be reviewed and live streaming from the BWC site.
  - - Exported images are of sufficient quality for analysis, including facial recognition, with a pixel resolution of 64MP.
  - - Users can choose to save video frames locally on their devices.
  - - Multiple BWC video streams can be remotely viewed from a single mobile device through a multi-window interface. - User permissions are customizable, allowing restricted access to sensitive operations and BWC video feeds for specific user groups.
  - - Permissions cover viewing individual streams, accessing the video archive, downloading recordings, and modifying stream performance.
  - - Comprehensive logging includes system access, video stream access, configuration changes, and video archive downloads.
6. Integration with Hualian DEMS for video storage and management. Authorized users can remotely access and download archived videos through a local workstation, remote PC, or mobile device (Android and iOS). Video playback over the data link and field live streaming are optimized based on video quality, with bandwidth requirements ranging from 9kbps to 2000kbps.

# Facial Recognition Software



# Facial Recognition Integration Overview

The facial recognition system will be integrated into the existing Body-Worn Camera (BWC) facility to enhance the security and operational capabilities of border security personnel. This solution ensures real-time processing, monitoring, and secure transmission of facial data across multiple platforms. The system supports installation of facial recognition software on servers that operate with Linux Ubuntu and Windows OS, providing flexibility and compatibility for diverse infrastructure setups.

## Key Features of the Facial Recognition System:

1. Concurrent Face Image Reception
  - Receives 240x320 pixel face images from multiple BWCs concurrently.
  - Provides real-time monitoring across various operational zones.
2. Centralized Watchlist Management
  - Capable of enrolling and archiving 50,000+ watchlist subjects on a central server.
  - Supports image upload over 3G/4G networks from BWC devices.
3. Automated Face Processing
  - Processes faces from a single image automatically.
  - Improves operational efficiency by minimizing manual involvement.

# Security and Real-Time Alerts

## 1. Secure Data Transmission

- AES256 encryption ensures all data sent between BWCs and the server is protected.
- Complies with high-security standards for sensitive information.

## 2. Automated Alerts & GPS Tracking

- Sends automated and segmented alarms based on watchlist settings.
- Tracks GPS location and provides sighting data of positive matches for real-time action.
- Alarms can be directed to specific officers or control rooms.



# Web-Based Interface & Conclusion

## Web-Based System Management

- Manage the system via an easy-to-use, web-based interface.
- Allows administrators to control watchlists, system settings, and alerts remotely.

## Integrated Solution

The facial recognition software license enhances the existing BWC system with advanced features, providing secure, real-time monitoring and operational control for border security.

# Digital Evidence Management System ( DEMS )

# **Kiosk Docking Station ( KDS )**

# Docking Station Brief Introduction



- **Flexible deployment, easy expansion**

The kiosk docking station is easy to deploy with universal wheels and need limited space to place and perform the data download and charging of 20 ports for BWCs.

- **Human-machine information is automatically bound to effectively manage assets**

In addition to collect files from BWC, the docking station supports searching and editing files, and setting file saving and uploading functions

- **Unattended, automated data collection**

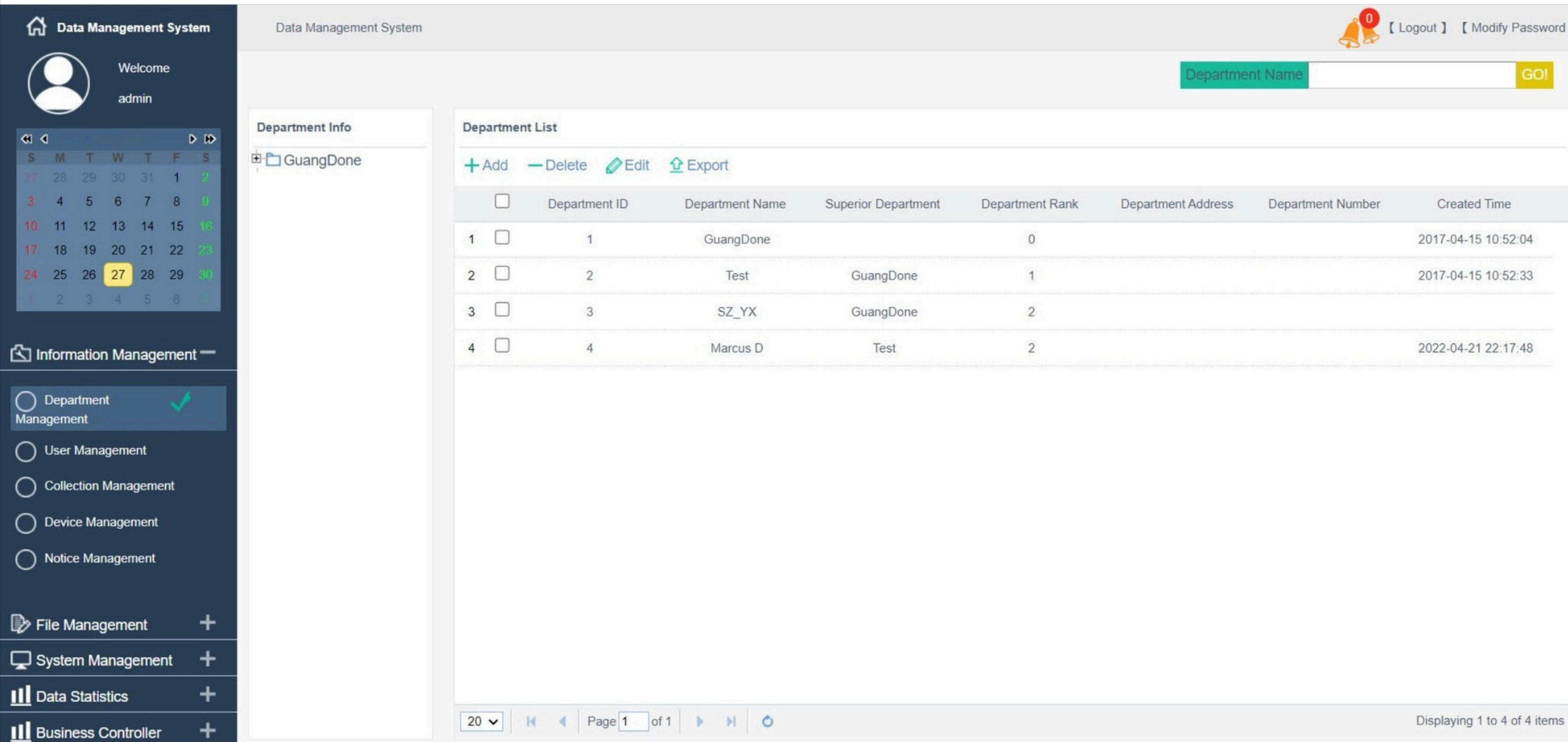
The docking station adopts an unattended working mode, automatically collecting data information while charging when connected to the terminal. It selects important files according to the system design and uploads them to the evidence management center, while also providing a hard disk management system that monitors available storage capacity and triggers an alarm when the disks are full. The system supports remote login services, reducing labor costs and minimizing the risk of human intervention.

- **Facial recognition to unlock/lock cabinet**

To provide the hands free operation, the kiosk designed with facial recognition, when the people come in front of the docking station, the camera imbedded in the kiosk will start detection and recognition, people can withdraw the camera under his / her name, and when duty off and do the same operation to return the camera.

# Kiosk Technical Parameters

Items	Description
Design	All-in-one design kiosk
Structure	1.2mm cold-rolled plate, anti-static spraying, with movable universal wheels and brake parking casters
Dimension	600 * 500 * 1700 mm
Display	21.5 inch with touch panel
Resolution	1920*1080
Brightness	250cd/m <sup>2</sup>
Ports	20 ports for 20 unit BWCs
Connection	USB – Type C / RJ45 for network connection
Port voltage / current	Single charging current 1.5A, full load 1.0A / 5.0V
Processor	Inter core I3 4160 3.6Hz
Memory storage	DDR3 4G
System hard disk	SSD 60G/64G
Storage disk	Monitoring level hard disk 4TB
Disk port	Supports 10 single hard disk storage, and each ports max storage is 60TB
RAID	Supports RAID0 \ RAID1 \ RAID5 etc.
Power	AC 500W
Facial recognition	Supports
UPS	220V output 600W / last 15-25 mins
Operation system	Windows10



The screenshot displays the DEMS interface for Department Management. The top navigation bar includes the system name, user information (Welcome admin), and utility links (Logout, Modify Password). A search bar for Department Name is present. The left sidebar contains a calendar and a menu with options: Department Management (selected), User Management, Collection Management, Device Management, Notice Management, File Management, System Management, Data Statistics, and Business Controller. The main content area shows a 'Department List' table with columns for Department ID, Name, Superior Department, Rank, Address, Number, and Created Time. The table contains four entries, with the first being 'GuangDone'.

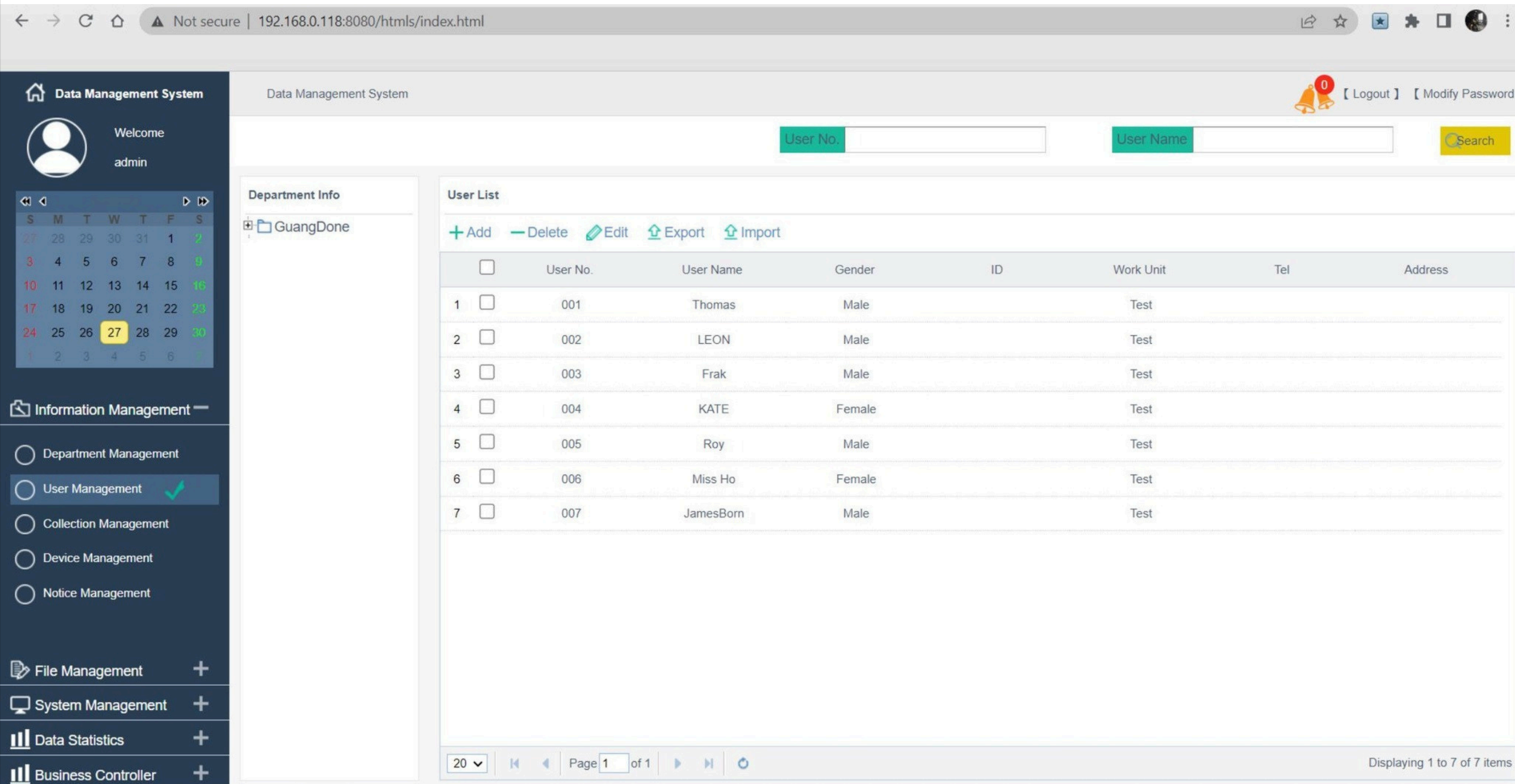
<input type="checkbox"/>	Department ID	Department Name	Superior Department	Department Rank	Department Address	Department Number	Created Time
<input type="checkbox"/>	1	GuangDone		0			2017-04-15 10:52:04
<input type="checkbox"/>	2	Test	GuangDone	1			2017-04-15 10:52:33
<input type="checkbox"/>	3	SZ_YX	GuangDone	2			
<input type="checkbox"/>	4	Marcus D	Test	2			2022-04-21 22:17:48

# Functionalities

## Department Management

1. In each station, if there are different department needs the body worn camera and docking station, then the all can be managed via the DEMS.
2. The DEMS will have the administrator with the highest rights to edit / delete all the relevant info in DEMS.





The screenshot displays a web browser window with the URL `192.168.0.118:8080/htmls/index.html`. The page title is "Data Management System". The user is logged in as "admin" and is viewing the "User List" section. The interface includes a search bar with "User No." and "User Name" fields, and a "Search" button. The "User List" table contains the following data:

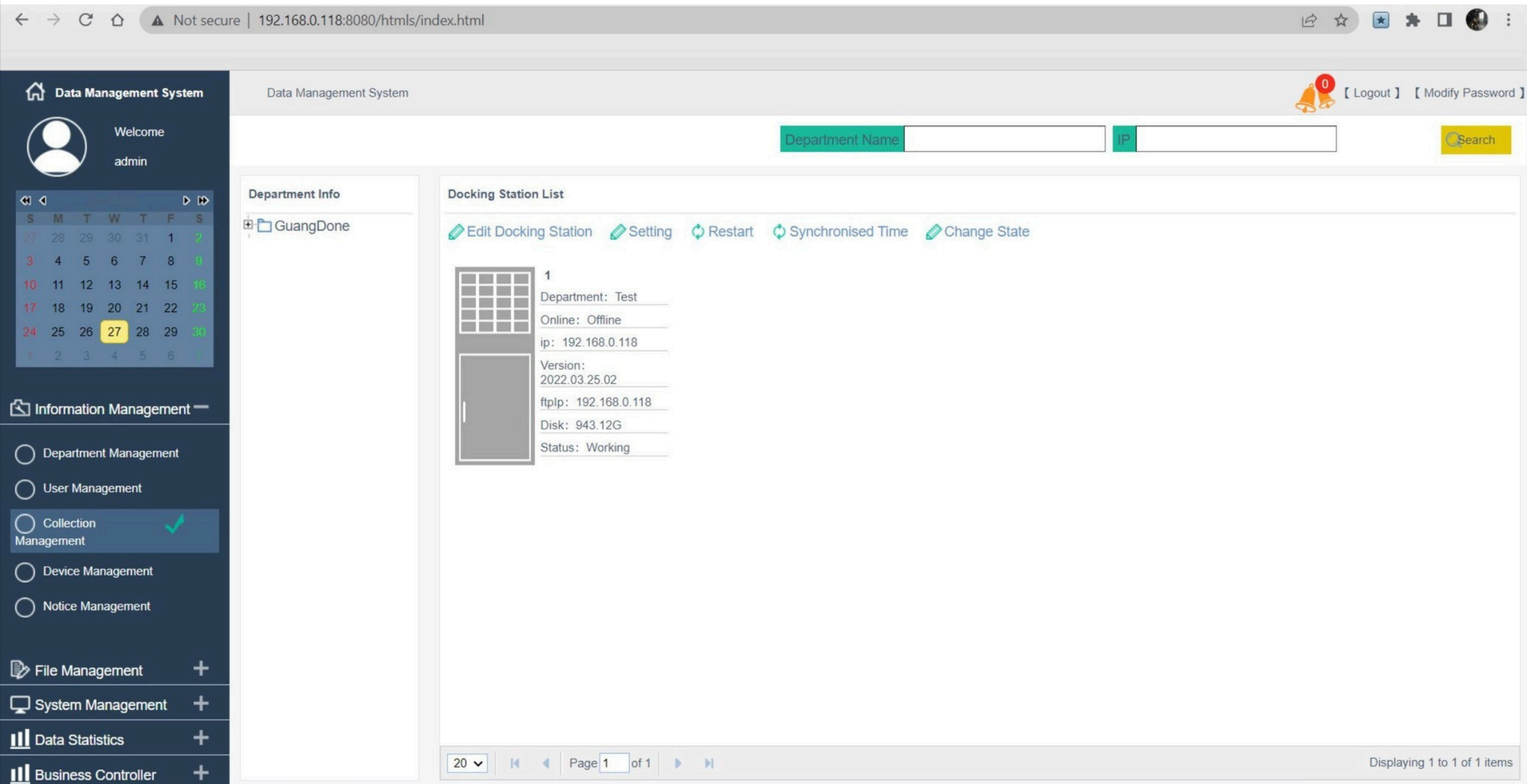
	<input type="checkbox"/>	User No.	User Name	Gender	ID	Work Unit	Tel	Address
1	<input type="checkbox"/>	001	Thomas	Male		Test		
2	<input type="checkbox"/>	002	LEON	Male		Test		
3	<input type="checkbox"/>	003	Frak	Male		Test		
4	<input type="checkbox"/>	004	KATE	Female		Test		
5	<input type="checkbox"/>	005	Roy	Male		Test		
6	<input type="checkbox"/>	006	Miss Ho	Female		Test		
7	<input type="checkbox"/>	007	JamesBorn	Male		Test		

The interface also features a sidebar with navigation options: Department Management, User Management (selected), Collection Management, Device Management, Notice Management, File Management, System Management, Data Statistics, and Business Controller. A calendar widget is visible in the top left of the sidebar, and a pagination bar at the bottom indicates "Page 1 of 1" and "Displaying 1 to 7 of 7 items".

# Functionalities

## User Management

- 1.The name list in the police station will be recorded, and can be allocated the recorder to the staff via DEMS.
- 2.If the staff left the station, then can be re-allocated to the fresh.
- 3.User info including user number, user name, gender and dedicated ID and department.



The screenshot shows a web browser window displaying the 'Data Management System' interface. The browser address bar shows '192.168.0.118:8080/htmls/index.html'. The page title is 'Data Management System'. In the top right corner, there are links for 'Logout' and 'Modify Password', along with a notification bell icon.

The main content area is divided into two sections:

- Department Info:** Shows a tree view with 'GuangDone' selected.
- Docking Station List:** Contains a table with one entry (ID 1) and several action buttons: 'Edit Docking Station', 'Setting', 'Restart', 'Synchronised Time', and 'Change State'. The entry details are:
  - Department: Test
  - Online: Offline
  - ip: 192.168.0.118
  - Version: 2022.03.25.02
  - ftplp: 192.168.0.118
  - Disk: 943.12G
  - Status: Working

At the bottom of the Docking Station List, there is a pagination control showing 'Page 1 of 1' and 'Displaying 1 to 1 of 1 items'.

On the left side, there is a sidebar menu with the following items:

- Data Management System
- Welcome admin
- Calendar
- Information Management
  - Department Management
  - User Management
  - Collection Management (checked)
  - Device Management
  - Notice Management
- File Management
- System Management
- Data Statistics
- Business Controller

# Functionalities

## Collection Management

1. Via DEMS, the command center can manage all docking station in different stations, including the data storage period, working status, etc.

**Data Management System**

Welcome  
admin

Department Name:  Device No.:

**Department Info**  
GuangDone

**Device List**  
+ Add - Delete Edit Change State

	<input type="checkbox"/>	Device No.	Device Name	Device Type	Department	Device User	Status	Remark
1	<input type="checkbox"/>	89B1453	89B1453	112	Test	Frak	Working	
2	<input type="checkbox"/>	89BEC29	89BEC29	112	Test	Thomas	Working	

20 | Page 1 of 1 | Displaying 1 to 2 of 2 items

# Functionalities

## Device Management

1. Via DEMS, the recorder will be registered in the system, registered info including the recorder's number, and after register, can be allocated to the personnel.

The screenshot displays the 'Data Management System' interface. On the left, a sidebar contains a calendar with the date '27' highlighted, and navigation options for 'Information Management', 'File Management', 'System Management', 'Data Statistics', and 'Business Controller'. The main area shows a search and filter interface with fields for 'Time', 'User No', 'Device', 'Important', 'Department', and 'File'. A 'Detail Info' modal window is open, displaying the following information:

User No.	001
Device No.	89AB73F
Department Name	Test
File Type	Photo
Important	Five Important
Upload Time	Need To Upload
Time	2022-04-04 19:35:37
Video Duration	0
File Source	2098
File Size(MB)	0.03
Storage Time	2022-04-04 21:03:32
Path	D:\media_local\2022\04\04\89AB73F\89AB73F_2022040419353731f233372c5490de_0005_220404_19353701_01.jpeg
File Description	
File Name	89AB73F_2022040419353731f233372c5490de_0005_220404_19353701_01.jpeg
Upload Data Center	Need To Upload

The modal also includes a photo of a man and 'Confirm' and 'Cancel' buttons. Below the modal, a table lists file details with columns for 'Detail', 'Department', 'User No.', 'User', 'Time', 'Video Duration', 'File Source', 'File Size', 'Storage Time', 'Path', 'File Description', 'File Name', and 'Upload Data Center'. The bottom of the interface shows pagination: 'Page 1 of 21' and 'Displaying 1 to 20 of 401 items'.

# Functionalities

## File Management

- 1. In DEMS, to find out the dedicated files, can search through the date, or the user's ID. Device number, department, file important level etc.
- 2. The administrator can create the case and define the important level, also, while creating the case, can input the file description for better history track.

Data Management System

Welcome  
admin

Account Name  Account Role

### Account List

<input type="checkbox"/>	Account Name	Account Role	Work Unit
1 <input type="checkbox"/>	admin	producer	GuangDone

20 Page 1 of 1

Displaying 1 to 1 of 1 items

### Permission List

Get Machine No.	USB Binding
System Maintain	File View
File Edit	File Delete
File Download	Dep View
Dep Edit	Dep Delete
Emp View	Emp Edit
Emp Delete	Account View
Account Edit	Account Delete
Role View	Role Edit
Role Delete	Device View
Device Edit	Device Delete
DS View	DS Edit

# Functionalities

## Account Management

1. In DEMS, the administrator can will set different account for different people to access the system for further checking.

The screenshot displays the 'Data Management System' interface. The top navigation bar includes a home icon, the system name, and user options like 'Welcome admin', 'Logout', and 'Modify Password'. A search bar for 'Role Name' is present. The main content area is titled 'Role List' and features '+ Add', '- Delete', and 'Edit' actions. Below this, three role cards are shown: '1 producer', '2 administrator', and '3 producer'. A large grid of buttons represents various system functions, such as 'Get Machine No.', 'USB Binding', 'System Maintain', 'File View', 'File Edit', 'File Delete', 'File Download', 'Dep View', 'Dep Edit', 'Dep Delete', 'Emp View', 'Emp Edit', 'Emp Delete', 'Account View', 'Account Edit', 'Account Delete', 'Role View', 'Role Edit', 'Role Delete', 'Device View', 'Device Edit', 'Device Delete', 'DS View', 'DS Edit', 'DS Delete', 'Remote Config', 'Report View', 'Business View', 'Business Edit', 'Business Delete', 'ANNC View', 'ANNC Edit', and 'ANNC Delete'. At the bottom right, 'Confirm' and 'Cancel' buttons are visible. A sidebar on the left contains navigation links for 'Information Management', 'File Management', 'System Management', 'Account Management', 'Permission Management' (which is highlighted with a green checkmark), 'Data Statistics', and 'Business Controller'. A calendar widget is also visible in the sidebar.

# Functionalities

## Permission Management

1. In DEMS, after the account setting done, the administrator will also set the permission for different account to improve the work efficiency.

# Specification Summary:

## Digital Evidence Management System License Features:

### 1. Handling and Administration of Captured Video Footage

- Provides seamless access and management of recorded footage uploaded from connected Body-Worn Cameras (BWCs).

### 2. Administration of User and Operator Accounts

- Comprehensive system for creating, modifying, and managing user and operator accounts with role-based access controls.

### 3. Configuration and Control of Camera Settings

- Enables remote and centralized control of all connected camera settings, ensuring optimal operational configurations.

### 4. Secured Custody of Evidence

- Guarantees a secure and traceable chain of custody for video footage, protecting the integrity of evidence.

### 5. Validated Evidence Management Platform

- Built on a trusted and tested platform specifically designed for secure evidence handling and storage.

## Advanced Incident and Evidence Management:

### 1. Incident Report and Resolution Management

- Fully integrated incident reporting system that allows for the attachment of video evidence and facilitates efficient resolution tracking.

### 2. Fully Secure Evidence Management System

- Ensures maximum security and protection throughout the evidence lifecycle with advanced security features:
  - Secure Data Transfers: Video transmissions are encrypted using AES256 to ensure data integrity and confidentiality.
  - Full Audit Logs: Detailed audit logs track every action and access point in the system, providing full transparency.
  - Access Control Based on User Roles: Ensures that only authorized personnel can access, view, or manage sensitive data.
  - Customizable Data Retention and Protocols: Offers customizable retention schedules for video data, in compliance with organizational policies.

## Centralized Monitoring and Storage:

### 1. Centralized Video Monitoring and Archiving

- The evidence management system provides a secure, centralized platform for monitoring, archiving, and remotely extracting footage from Body-Worn Cameras, utilizing highly secure, end-to-end encrypted video transmission. Seamless integration with the Office Command Center ensures consistent, reliable footage retention and secure evidence management. The system also supports installation of evidence management software on servers compatible like Linux Ubuntu and Windows OS, offering flexibility for diverse operational environments.

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# Video Wall



# Video Wall Deployment

- Real time monitoring

With the large screen in the command center, can perform the real time monitoring.

- Communication with front-line

In any emergency situation happened, the command center can talk to the front line polices.

- WANTED people pop up

With the facial recognition in the BWCs, any WANTED people happened will trigger the alarm and send back to the command center for timely support.

