

DSS OneBox

Deploy Fast Secure Faster

DSS OneBox

DSS OneBox is **an all-in-one workstation** that comes with a pre-installed license, enabling immediate use right out of the box — no setup required, no extra server required.

With an integrated security center, access and visitor management, vehicle entrance, video intercom, and attendance features, DSS OneBox is designed **for small and medium-sized business environments**, such as offices, retail stores, and warehouses.



Ready to
Use



Compact
and Stylish



Powerful



Hassle free
connection



Maximum
Potential

DSS OneBox

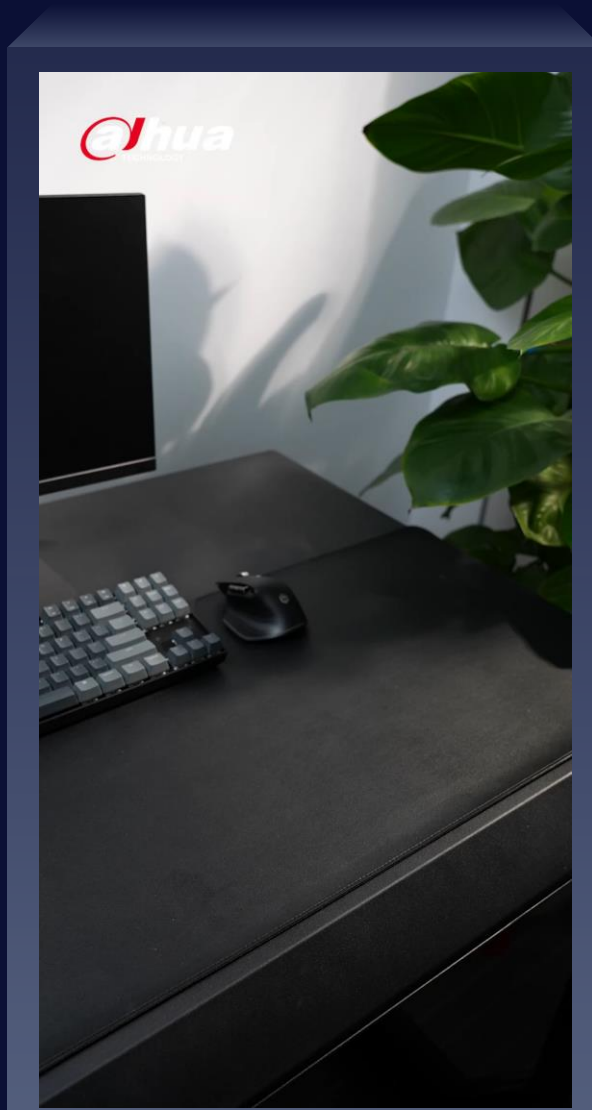
Deploy Fast · Secure Faster



Compact and Stylish



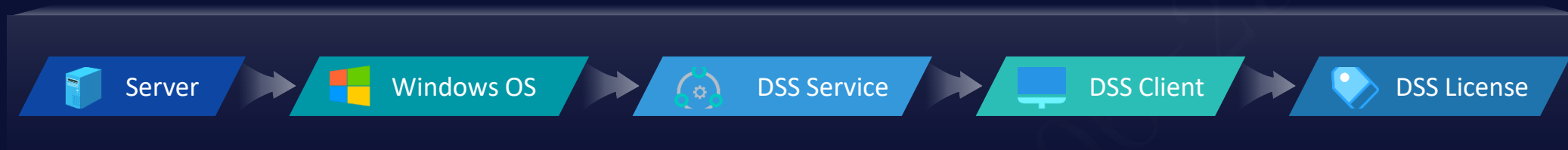
Stylish and compact 0.5L
design for flexible
deployment in various
security scenarios.



- Small size (117×117×42mm), light weight (0.52kg)
- Desktop type, stylish appearance design



Ready to Use



Minimize setup costs – Just plug in power, connect the monitor, and go

- Auto-start & auto-login
- Pre-configured system & licenses
- Integrated server & client, no extra server



HDMI



Monitor

Plug-and-play with pre-installed OS and fully licensed software, automatically opens the client on startup.

Powerful



- Intel Core i7, 32GB RAM
- Four-screen 4K independent output
- Integrated GPU, decoding performance up to 30ch 1080P



Processor
Intel i7

RAM
32GB

1080P Video
30CH

Output
4 Screen

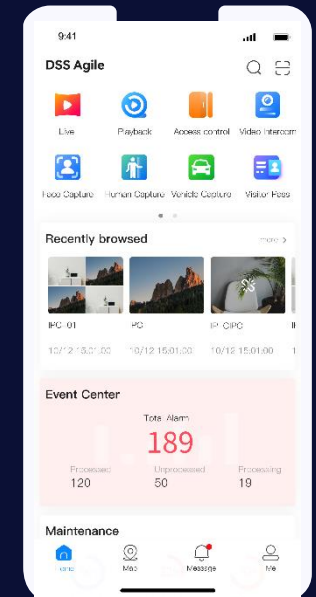
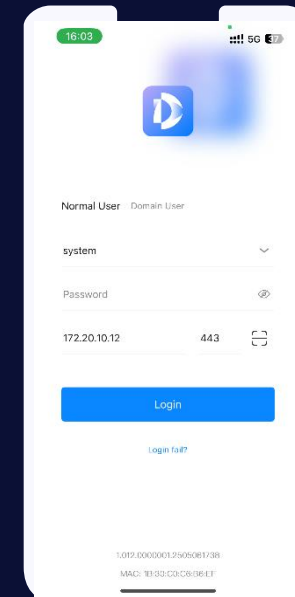
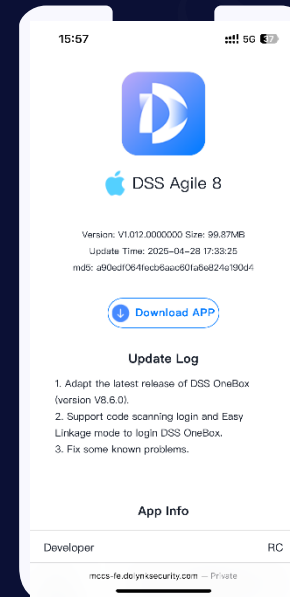
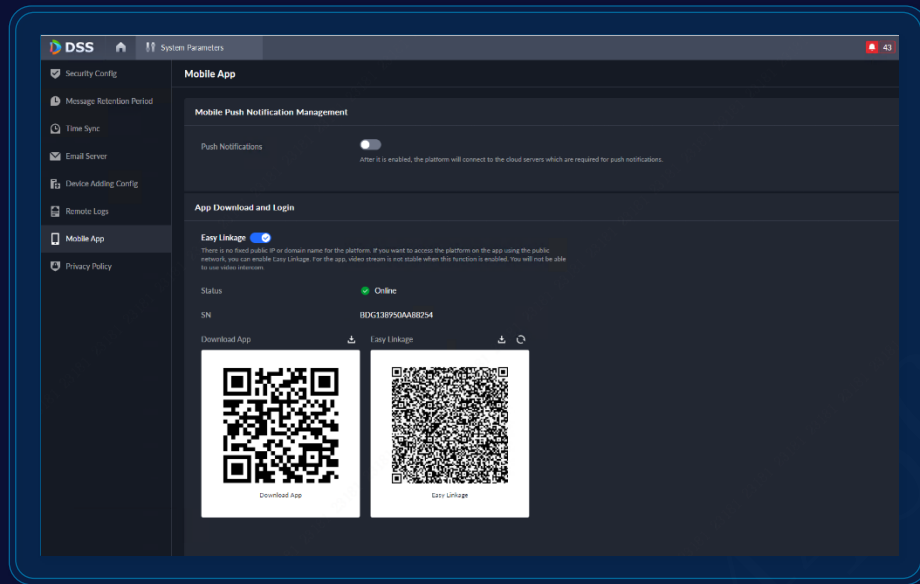
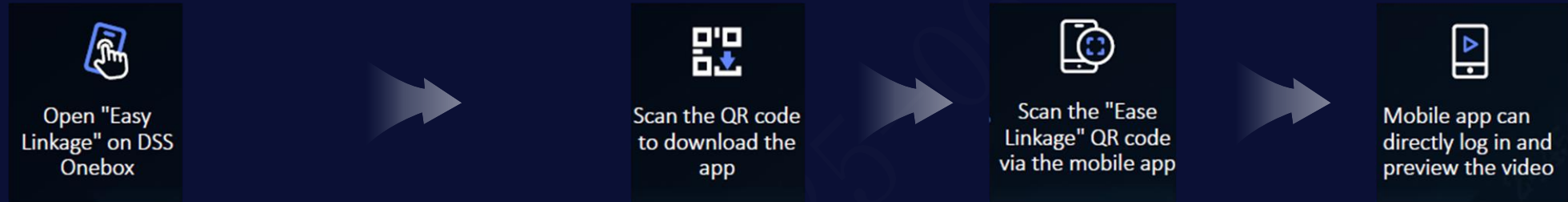
Powerful hardware configuration enabling **high-performance** monitoring services



Accessible anytime, anywhere



Without requiring public IP or DDNS setup, OneBox utilizes P2P direct-connection technology, enabling effortless server access via the APP.



Maximum Potential



One-stop integrated management covers core business including security center, personnel access, and vehicle access, etc.

Applications



Monitor



DeepXplore



Parking Lot



Intelligent
Analysis



Access



Maintenance



Events

Functionalities



Video Wall
(Only NVD)



AcuPick
(Device Search)



Vehicle
Entrance & Exit



People
Counting



Access
Management



Heat Map



Visitor



Attendance

Device Types



IPC



Face
Recognition



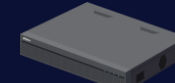
Panoramic



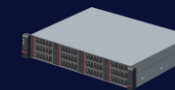
ANPR



TPC



NVR



IVSS



Access
Control



Video
Intercom



Lift
Controller



Alarm
Controller



Visitor
Terminal

Scalable | Selection



Whether it is the large-scale cluster management of thousands of cameras or small-scale projects targeting individual sites, DSS offers a diverse range of product configurations to precisely meet the needs of various scenarios.



DSS OneBox

Lightweight workstation for SMB

- Up to 128 cameras
- Single server
- Security center
- Access management
- Vehicle entrance & exit
- Intelligent Analysis
- Maintenance Center
- **Attendance**
- × Add-ons
- × Customization Service



DSS Express

Pay-as-you-go System for SMB

- Up to 256 cameras
- Single server
- Security center
- Access management
- Vehicle entrance & exit
- Intelligent Analysis
- × Maintenance Center
- × Attendance
- × Add-ons(Intelligent Inspection, retail, student attendance, computer-aided dispatch, evidence Management)
- × Customization Service



DSS7116D/DR

All-in-One System for Enterprise

- Up to 5,000 cameras
- Distribution
- Security center
- Access management
- Vehicle entrance & exit
- Intelligent Analysis
- Maintenance Center
- × Attendance
- × Add-ons (Intelligent Inspection, retail, student attendance, computer-aided dispatch, evidence Management)
- × Customization Service



DSS Professional

Unified and Professional System

- Up to 20,000 cameras
- Multi-site & Distribution
- Security center
- Access management
- Vehicle entrance & exit
- Intelligent Analysis
- Maintenance Center
- Attendance
- Add-ons (Intelligent Inspection, Retail, **Computer-aided dispatch, Evidence Management**, Traffic management)
- Customization Service

A product family that encompasses various scenarios and scales

*Please refer to the product release materials for details.

Professional | Main Functions



Based on the DSS platform, we offer a comprehensive and professional security solution that deeply integrates advanced technologies such as **AI-powered intelligent surveillance, fully automated personnel access management, and intelligent vehicle passing**. These innovations significantly enhance operational convenience and security levels while optimizing management efficiency.



Security Center

Video-based security center with monitor center, event and deepXplore module, improve safety and efficiency



Personal Access

Personnel access with access control, visitor, lift control, video intercom and attendance management, provide a smart and safe life



Vehicle Access

One-stop professional smart parking platform includes entrance and exit management

Main Functions – Security Center



Security Center | Monitor

Rich monitor information



Video Monitor



Door Control



Barrier Control

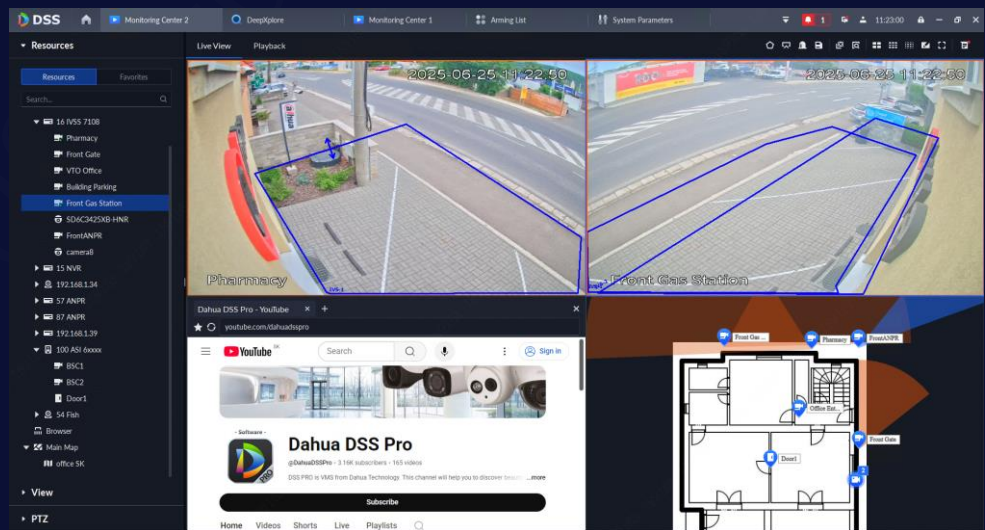


Web Page



View on Map

Cameras / web pages / maps



All the views can be saved as public or private

Main Functions – Security Center



Security Center | Response

Fast Response



Instant Playback

Detect anomalies during preview and instantly replay past footage



Sync Playback

Use multi-channel fast playback to quickly find target



Smart Search

Search for people, vehicles in device videos, need device support



Download

Download and export video clips spanning multiple days, saved as evidence



Lock Video

Lock videos to prevent them from being overwritten even when the hard disk is full



Quick Tag

Quickly generate tags and recordings during the preview process



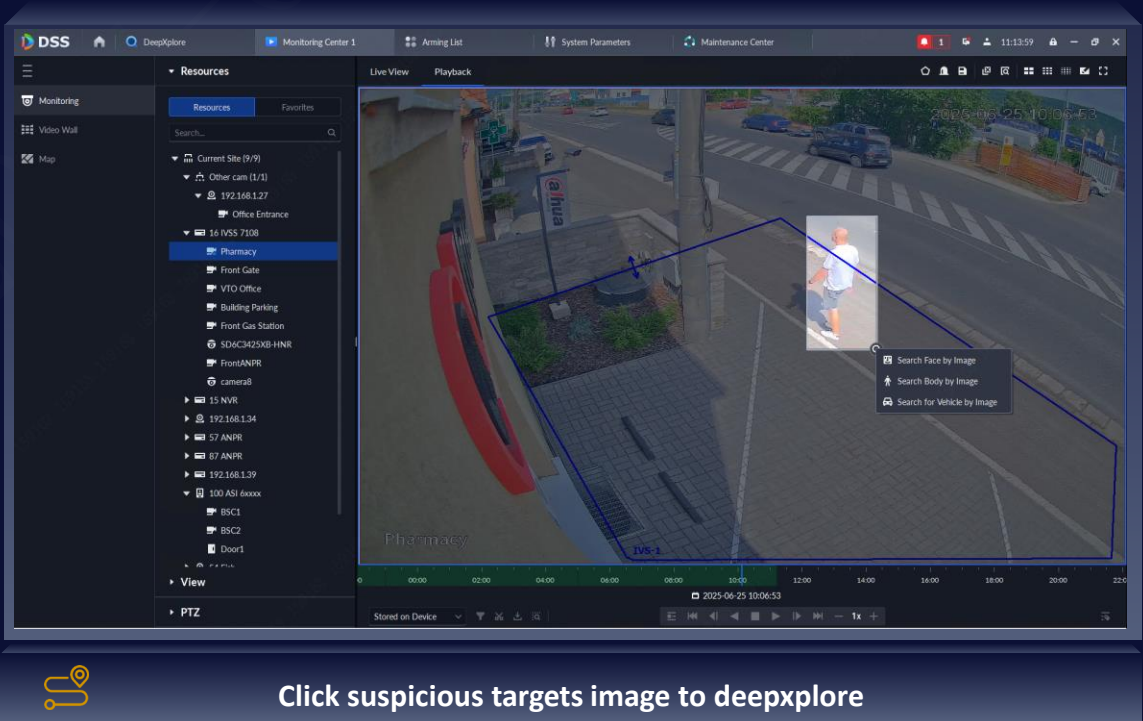
Detailed Tag

Add detailed tag information during the playback process



Cut Video

Quickly trim and download a video clip for easy operation during playback



Click suspicious targets image to deepxplore

During playback, DSS offers a variety of operations, allowing management personnel to quickly review and tag abnormal segments.

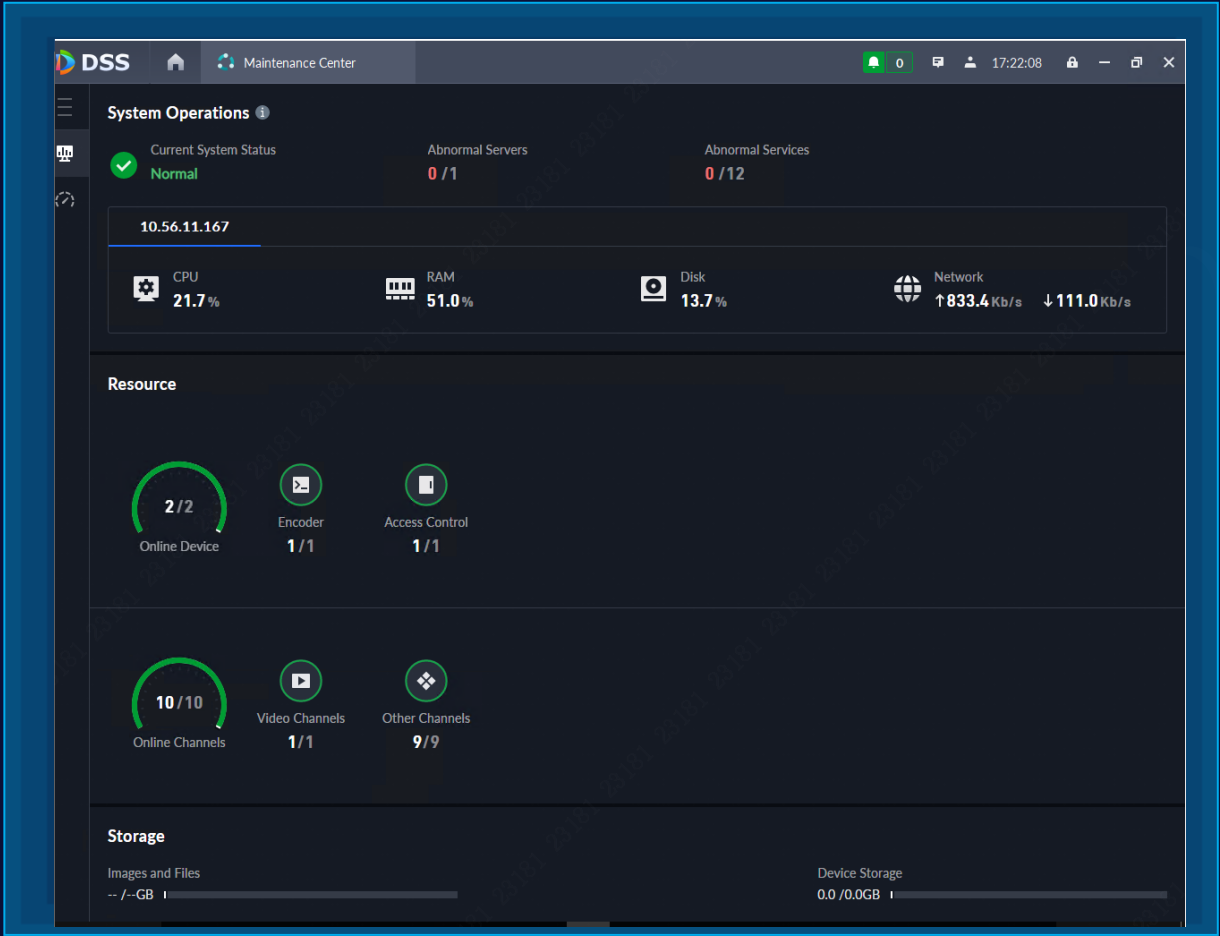
* DSS OneBox does not support automatic target selection; targets must be manually framed

Main Functions – Maintenance



Security Center | Maintenance

Real-time monitoring of system and device health



Main Functions – Personal Access – Access Control



Access Control | Simple Configuration

Person



Effortless personnel management

Simplified methods: bulk import/export, domain sync, and device-based data extraction

Configure access rules by group

When employee changes, simply update the personnel organization

Time



Regular Time Periods

Flexible definition of specific time points for precise management

Holiday Periods

Independently configured time points and access rules during holidays

Door



Access Zones

Manage access zones, flexibly add door points, and visualize zones and points on a map

Zone-Based Access Rules

Auto-updates access rules when zone points change, ensuring seamless management

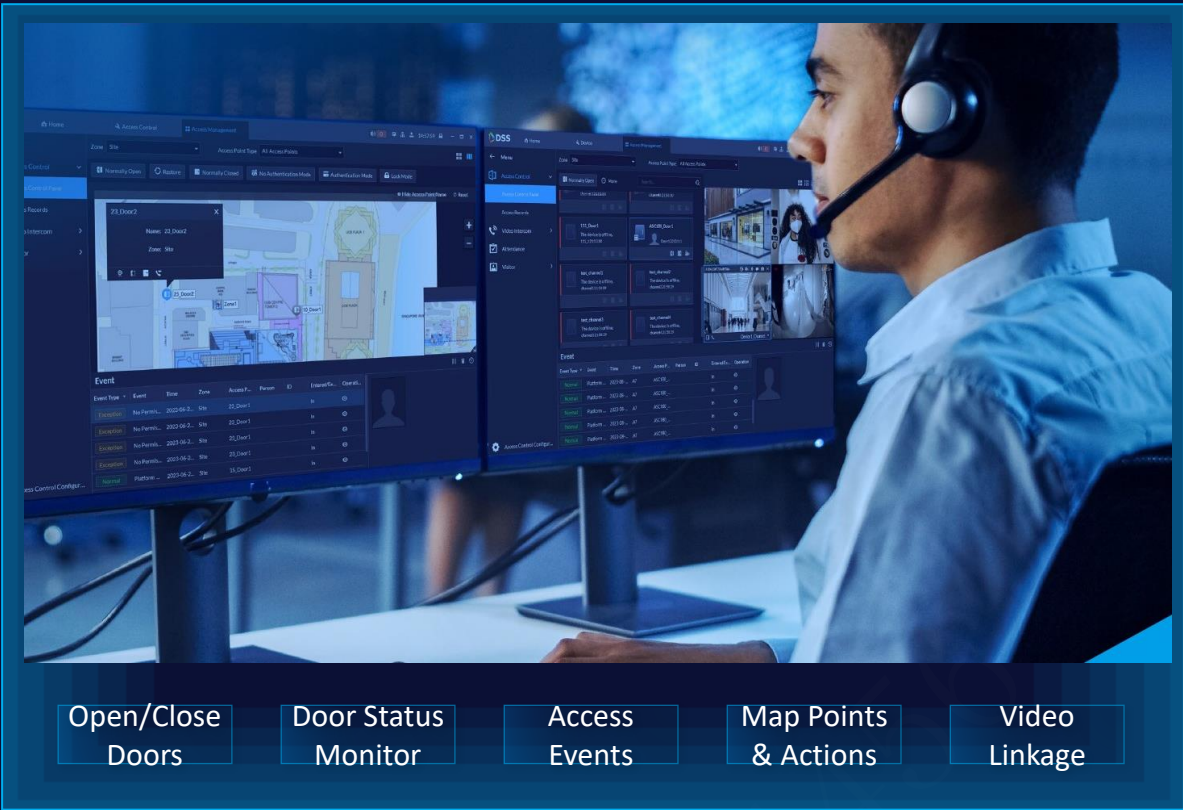
Administrators **only need to manage personnel information, time adjustments, and access device changes** without reconfiguring access rules, significantly streamlining operations

Main Functions – Personal Access – Access Control



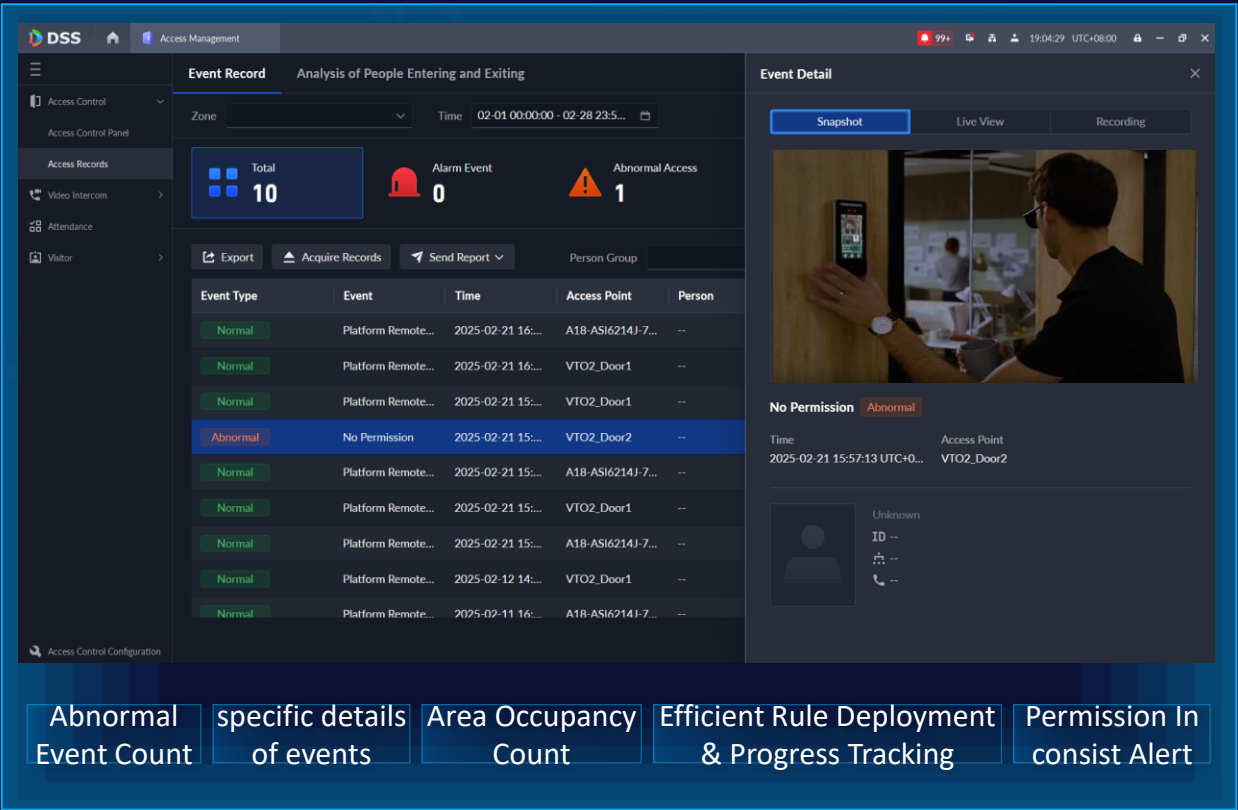
Access Control | Efficient Management

Access Control



Visual Workbench

Enhances operational efficiency through an intuitive interface, making management more convenient



Multi-Dimensional Access Analysis

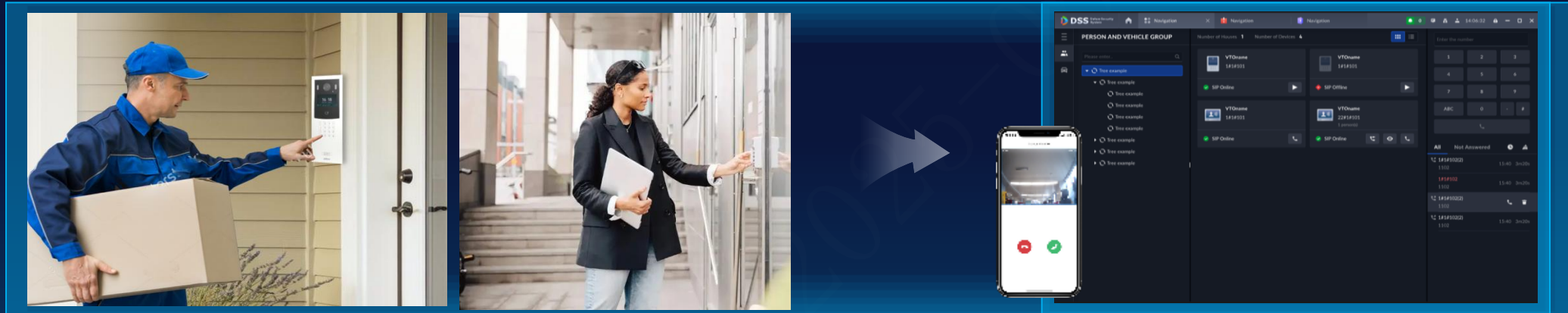
In-depth analysis of access data, significantly reducing the workload for administrators

Main Functions – Personal Access – Video Intercom



 Video Intercom | Simple Configuration for Property Personnel

Video Intercom



Visual Organizational Configuration



Simplified Daily Tasks



Post a message to VTH



Sync Contacts to VTO



Manage App Users



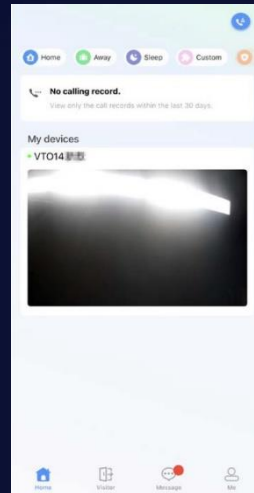
Setting Passwords for Residents

Main Functions – Personal Access – Video Intercom

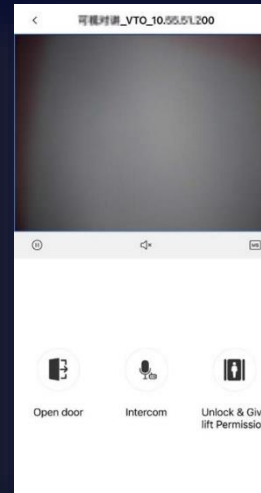


Video Intercom | Convenience Service for Property Owner

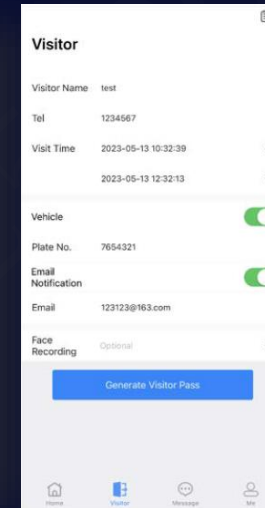
Video Intercom



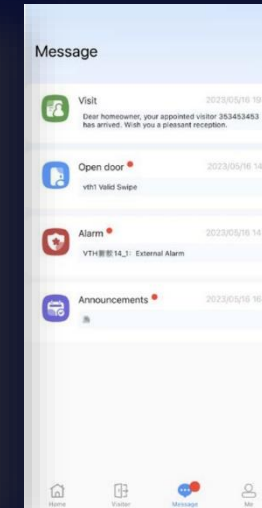
Home



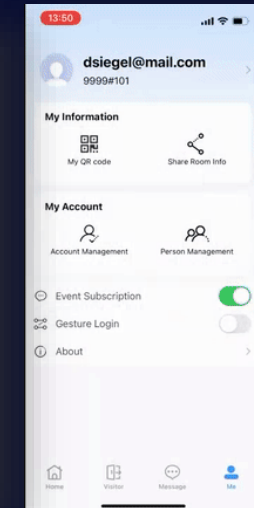
Operation



Visitor



Message



Me



Flexible Member Management

- ❑ The Owner can **Add/Modify/Freeze/Delete** Member Account on the Mobile APP
- ❑ **Password Change**: If the member forget the password, also can find and change password.
- ❑ **Upload Face picture via APP Directly**



Room QR Code Information Sharing

- ❑ Owner can **Share Room QR Code** Information to Family Member or Tenant, they can **easy download and register into the system**, no need to go to service center to register



More convenient visitor management

- ❑ **Visitor invitation**: the owner can fill in the information to invite visitors, and the visitors can enter through QR code or license plate
- ❑ **Visitor call**: grant elevator control authority

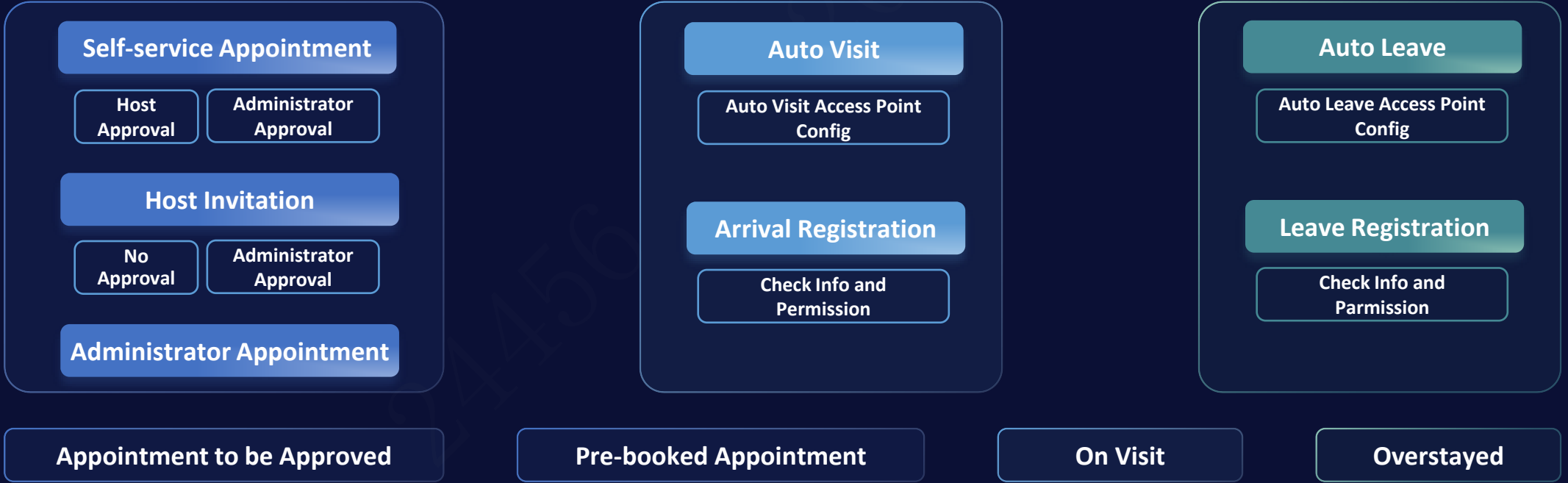
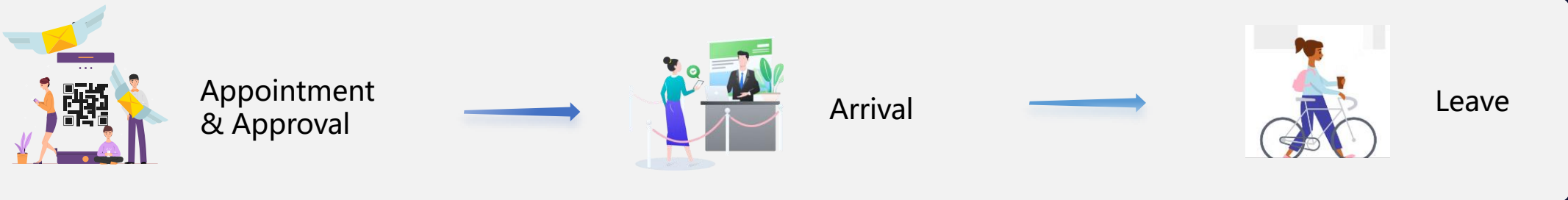
Main Functions – Personal Access – Visitor



Smooth, professional visitor management

Visitor

In each process of visitor reservation and approval, visiting and leaving, DSS provides a flexible and professional configuration process to provide users with convenient and secure visitor management solutions

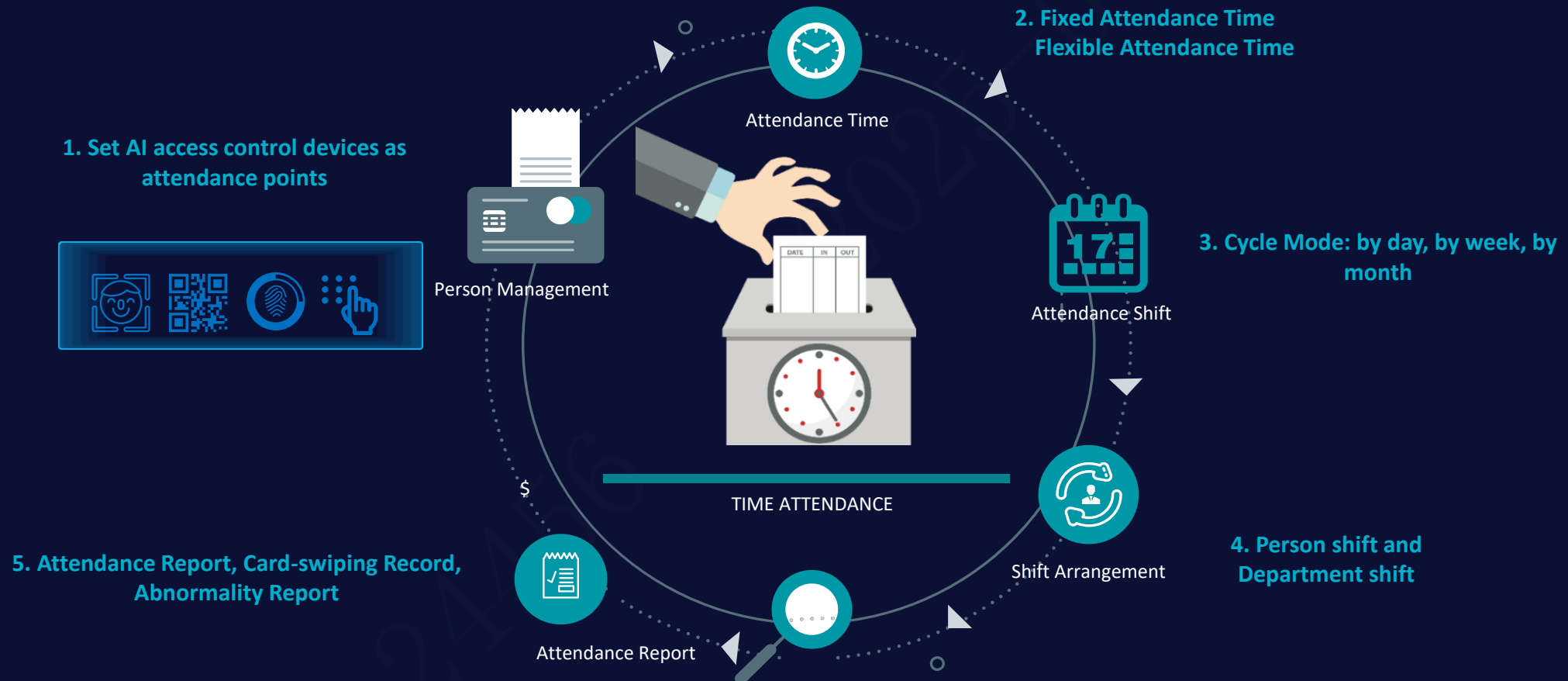


Main Functions – Personal Access – Attendance



Smooth configuration process

Attendance



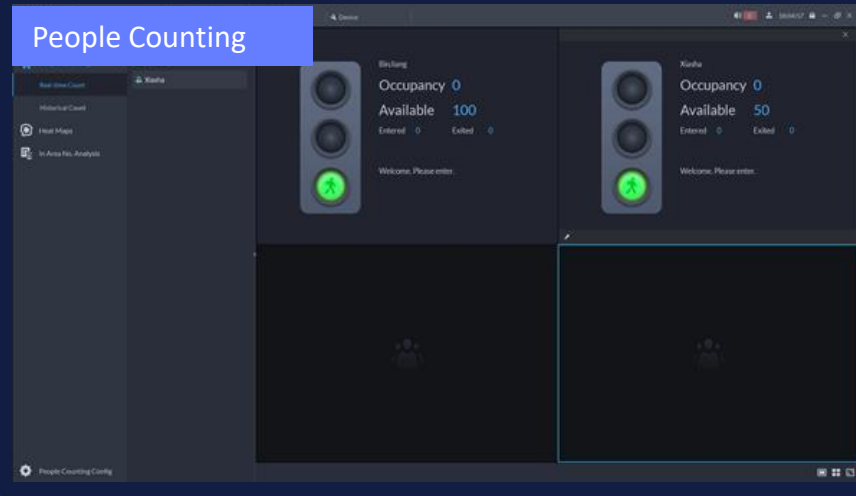
Main Functions – Personal Access – Intelligent Analysis



Universal and Comprehensive Population Statistics and Attribute Analysis

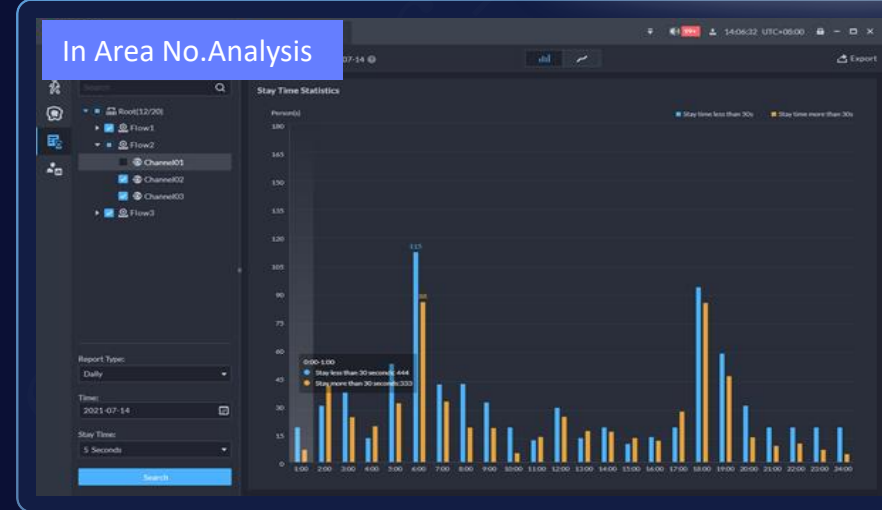
Intelligent Analysis

People Counting



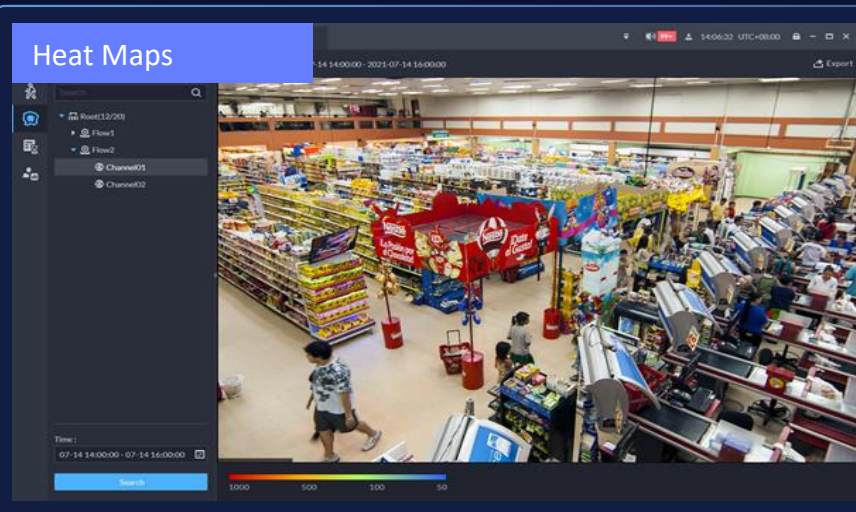
- People in the area in real time
- Historical people counting by group or channel

In Area No. Analysis



- View the in-area people number statistics of one or more channels.

Heat Maps



- View heat maps generated by devices. Shows the distribution of people flow by different colors

Metadata Statistics



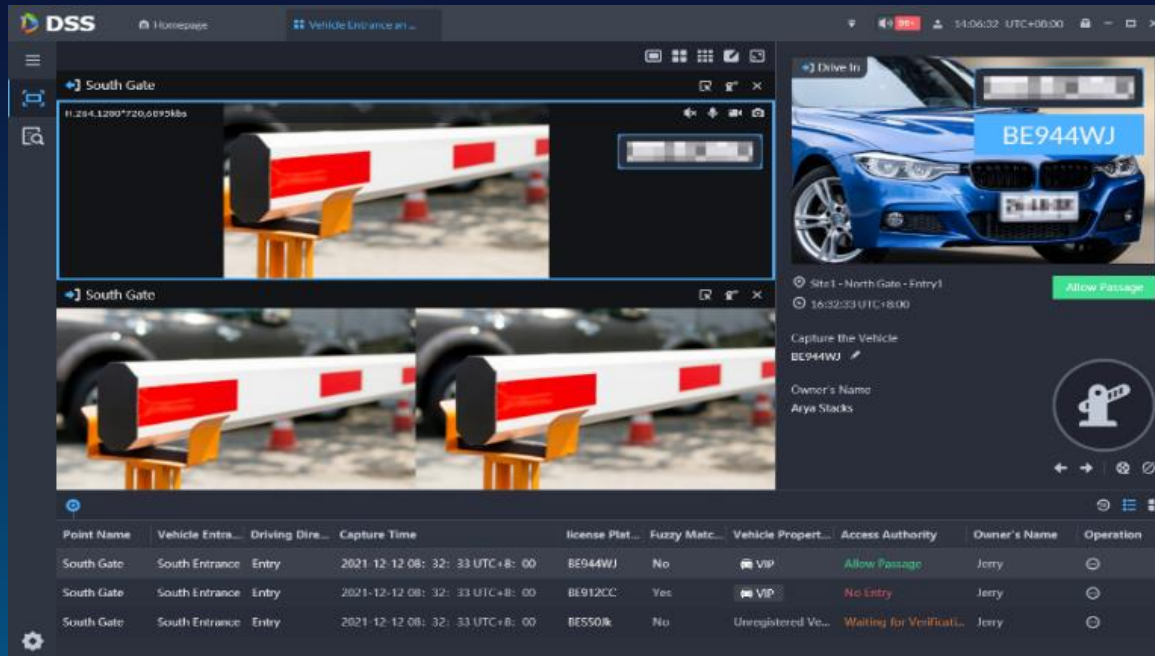
- Reference statistics for directional metadata in the scene

Main Functions – Vehicle Access



Efficient Vehicle Access Management

Offers administrators an intuitive and efficient management platform to enhance parking lot operations significantly



Vehicle Entrance and Exit Management

- Customizable vehicle access rules
- Remote visitor/emergency management – Respond to calls via VTO for added security
- Real-time parking space display
- Supports fuzzy search and multiple rule configurations
- Secure automated entry – Barrier opens only after central verification.
- Easily review historical entry, exit, and capture records



Parking Rule



Vehicle Group



Parking Lot Events



Passing Monitor

Product Information

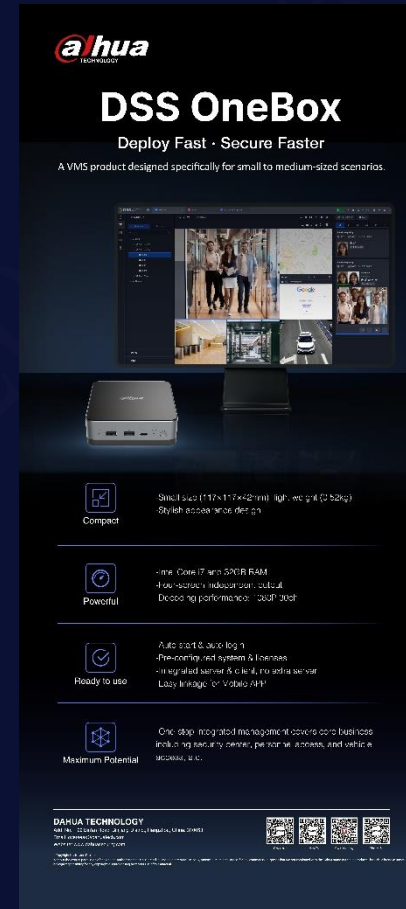
Material Information

OneBox with EU Standard Power	1.0.99.88.10298
OneBox with US Standard Power	1.0.99.88.10298-001

Maintenance Strategy

- Calculate from 60 days after delivery(The maintenance calculation rules officially released by Dahua shall prevail)

Promotion Materials



- KV
- Leaflet
- Roll up
- Poster
- Unboxing Video
- Pre-warming Video (TBD)
- Promotion Video (TBD)

Competitive Information



CONFIDENTIAL

Features		DSS OneBox	HikCentral-Workstation/HW5L/32Ch(C)
Hardware	CPU	Intel i7-13620H	i5-12500, 3.00 GHz, 18 MB Cache, 6 Cores, 12 Threads
	Memory	32GB	Standard Config: 2 × 8GB UDIMM, 3200MT/s Scalability: 4 × 32GB UDIMM
	Dimensions	117×117×42mm	92.60 mm × 290.00 mm × 292.80 mm (3.65" × 11.42" × 11.53")
	Decoding (1080P)	32	32
Device and Channels	Video	128 devices; 128 channels (Only Dahua protocol)	32ch by default, can be expanded into 128ch
	ANPR Channels	8 channels (4 channels for entrance)	Not included, can be expanded into 16ch
	Face Recognition	8 channels	Not included, can be expanded into 16ch
	Video Metadata	8 channels	/
	People Counting	16 channels	/
	Heat Map	16 channels	/
	Access Control	16 devices; 16 doors	4ch by default, can be expanded into 16ch (Including Doors and Outdoor Station)
	Lift Control	4 devices; 4 channels	
	Video Intercom	16 devices	Not included, can be expanded into 16
	Visitor Terminal	10 devices	
	Alarm Controllers	8 devices; 80 zones	Not included, can be expanded into 16
Applications	Video Wall	✓	
	AcuPick	✓ (Only supports device retrieval, not Center Acupick)	
	Attendance	✓	Not included, can be expanded by extra license
	Visitor Management	✓	
	Vehicle Entrance & Exit	✓	Not included, can be expanded into 16
	People Counting	✓	/
	Heat Map	✓	/

- * Superior Features (Red Highlights)
- * Cost Parity (Orange Highlights) Similar specs to competitors, but DSS Onebox includes licenses (vs. paid add-ons for peers)

Competitive Advantages:

- Stronger hardware + sleeker design
- More licenses included
- Ready-to-use for shops/offices – No complex installation

Startup Process

First startup:

- Plug in the power, no need to press the power button, it starts automatically
- If there is a network, automatically sync time and time zone
- 1. Pop up the DSS server network configuration interface, refresh to automatically obtain the PC's IP address
- 2. Service automatically goes online and running
- 3. Service startup completed, DSS client will open automatically
- 4. A pop-up appears for setting the password and security questions. After completion, proceed to the client login page.

Subsequent startup:

- Service starts automatically
- The client needs to be manually opened and cannot start itself

