

# Smart PSS V2.01

Dahua Technology

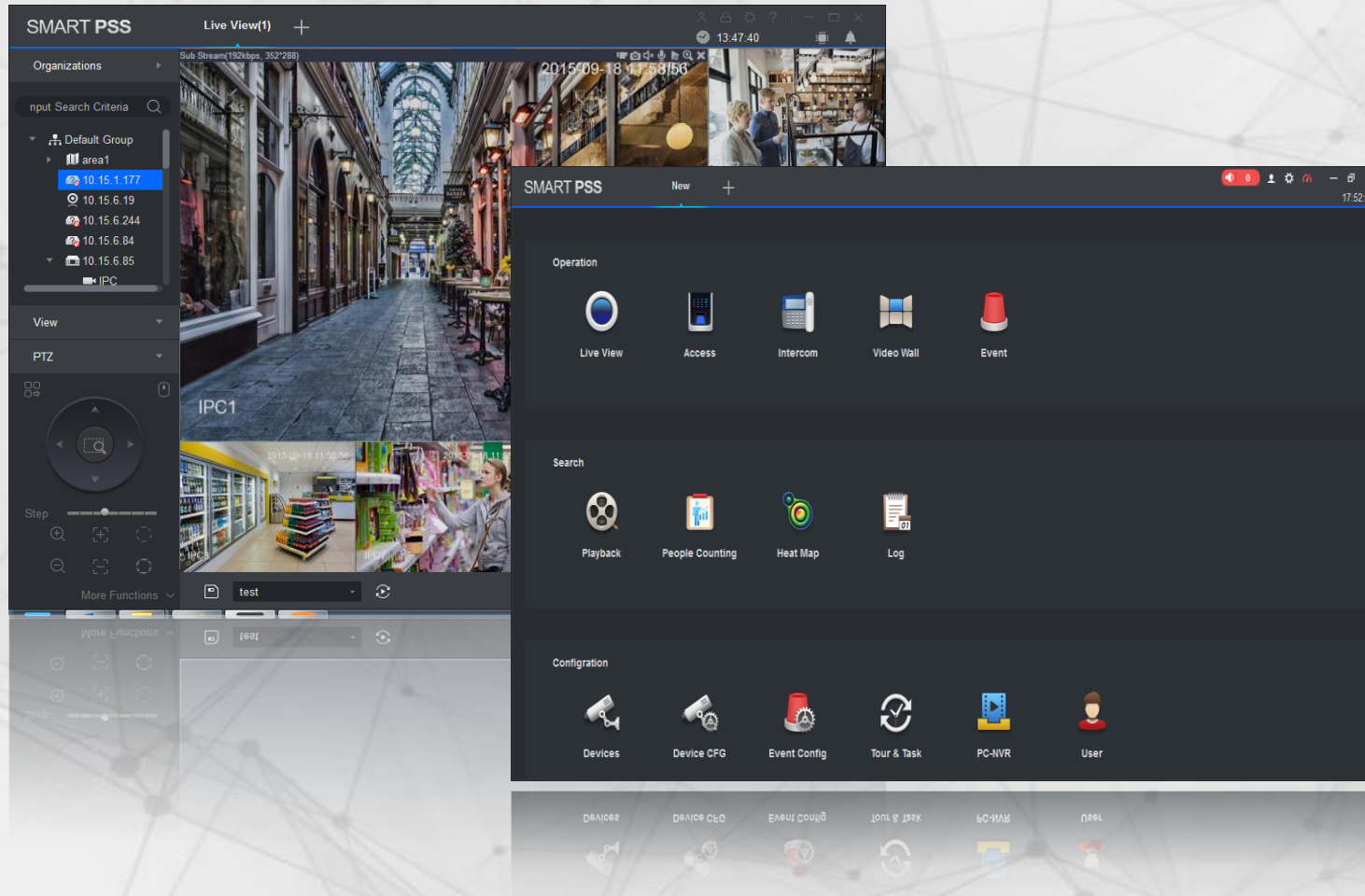
# SmartPSS

Smart Professional Surveillance System

An easy-to-use security surveillance application with friendly interface.

Designed for small or medium daily-use system.

Provide efficient device management, monitoring, playback, alarm, video analytics, video wall, etc.



- ▶ **New Features**
- ▶ **Functionalities**
- ▶ **Specification**

# What's new?

Access

Intercom

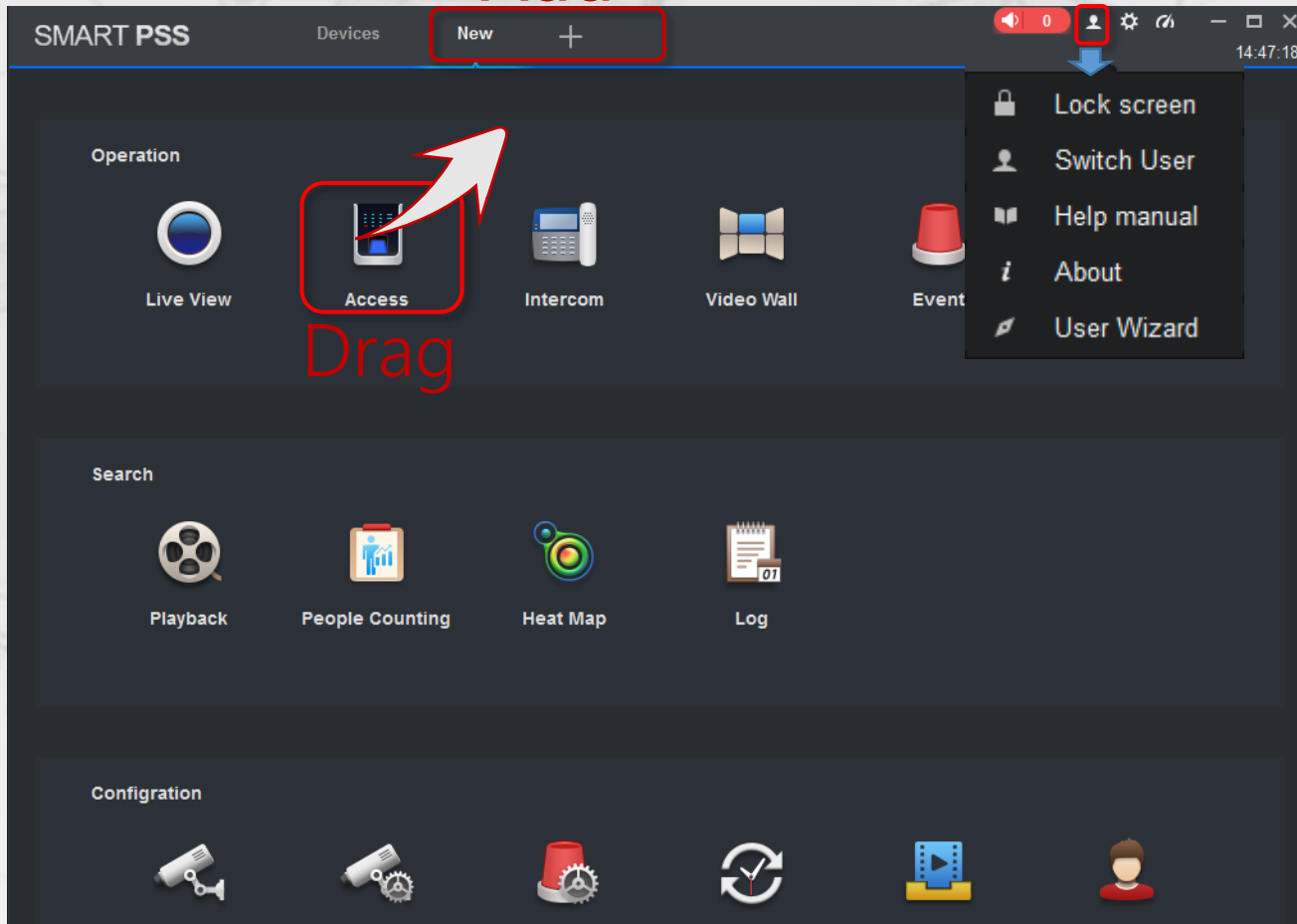
Attendance

New  
page

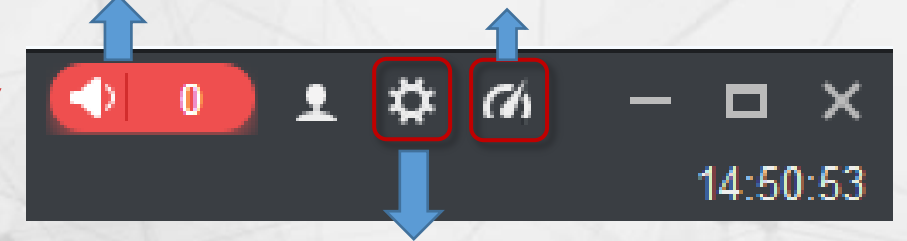
Video  
Wall

# Functions page

Add



Alarm sound and event account CPU & RAM



system config

- Drag to change the arrangement
- Open a new function page
- Check the *CPU & RAM*
- Show the time which is same to the PC
- New *system config* change to the top-right corner

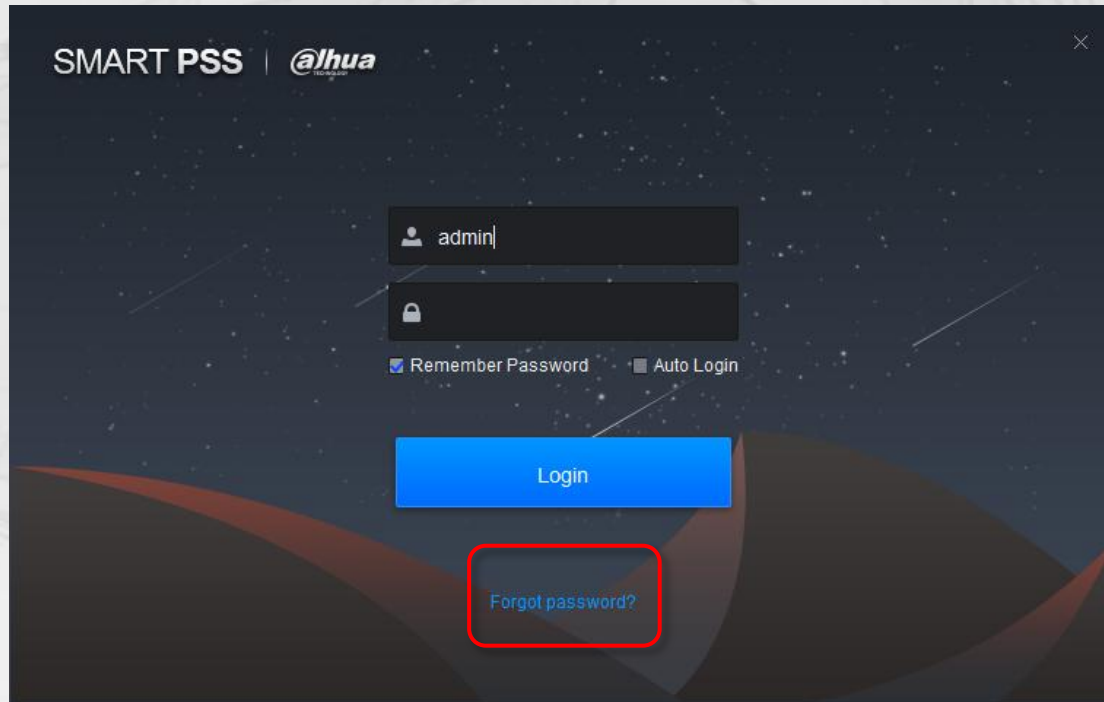
# Initialization of the password

The screenshot shows the 'Initialization' window with a progress bar at the top. The first step, '1.Password Setting', is highlighted in blue. Below the progress bar, there is a warning icon and the text 'Please set admin password at first installation!'. There are three input fields: 'Password', 'Password Strength' (with a progress indicator), and 'Confirm Password'. At the bottom, there is a checkbox for 'Auto Login after Registration' and two buttons: 'Next' and 'Cancel'.

The screenshot shows the 'Initialization' window with a progress bar at the top. The second step, '2.Password Protection', is highlighted in blue. Below the progress bar, there is a warning icon and the text 'Please set security questions!'. There are three sets of questions, each with a dropdown menu for the question and a text input field for the answer. The questions are: 'What is your favorite children's book?', 'What was the first name of your first boss?', and 'What is the name of your favorite fruit?'. At the bottom right, there is a 'Finish' button.

- There is no normal password of the admin, U should set the password first
- When U forget your password, U can use the security questions to reset the password

# Initialization of the password



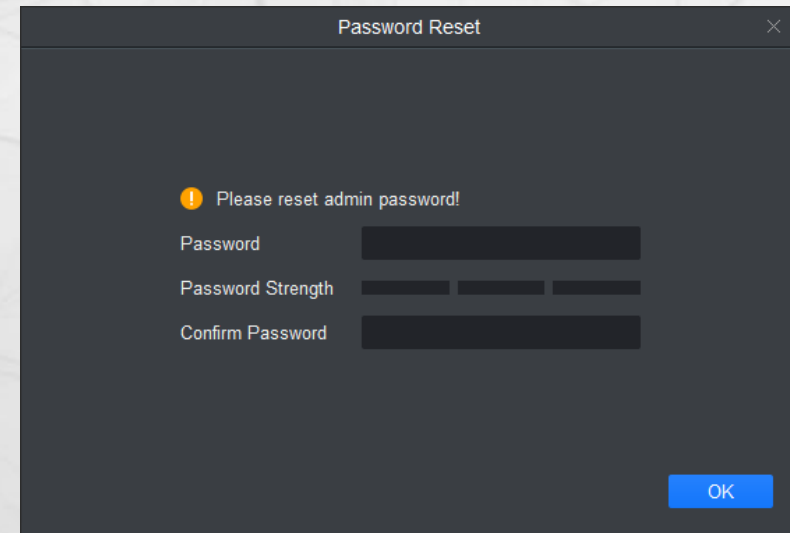
SMART PSS | @lhua

admin

Remember Password Auto Login

Login

Forgot password?



Password Reset

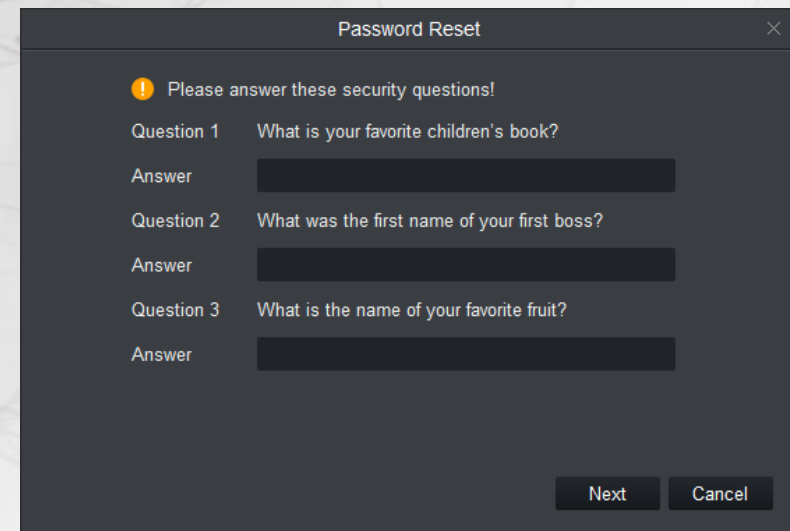
! Please reset admin password!

Password

Password Strength

Confirm Password

OK



Password Reset

! Please answer these security questions!

Question 1 What is your favorite children's book?

Answer

Question 2 What was the first name of your first boss?

Answer

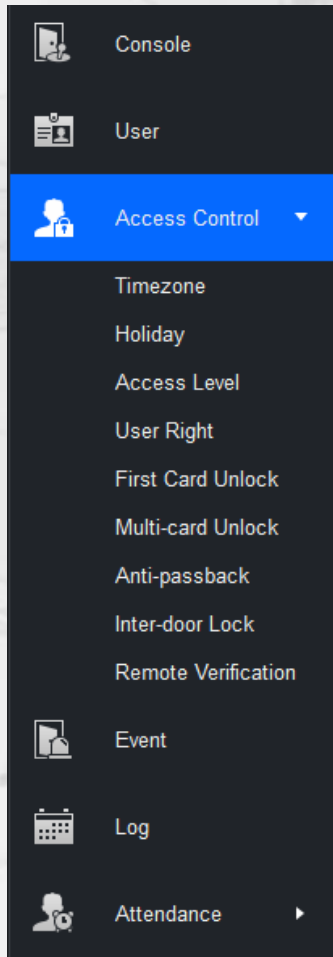
Question 3 What is the name of your favorite fruit?

Answer

Next Cancel

- U can initialize the password by the security question now

# Access



SMART PSS Access 10:11:11

Organizations

Input Search Criteria

Default Group

- 1
- 10.18.6.74
- 10.15.1.71
- 10.15.5.187
- 10.15.5.81
- 10.15.5.88
- 10.15.6.144
- 10.15.6.221
- 10.15.6.250
- 10.15.6.77
- 10.15.6.84
- 10.15.6.86
- 10.15.6.96
- 10.18.116.144
- 10.18.116.34
- 10.18.116.42
- 10.18.116.74
- 192.168.1.101
- 10.15.23.211
- 10.15.5.38
- 10.15.6.67

Global Control

Always O... Always Cl...

Door 1 Door 2

List View

Event Info All Alarm Abnormal Normal

Time	Event	Description	Operation
------	-------	-------------	-----------

ID:  
Name:  
Department:  
Tel:  
Card No.:



Console

User management

Permission function

- Door group right
- User right
- First card unlock
- Multi-card unlock
- Anti-pass back
- Inter-door lock
- Remote verification
- Period setup
- Holiday setup

Event CFG

Log

# Attendance

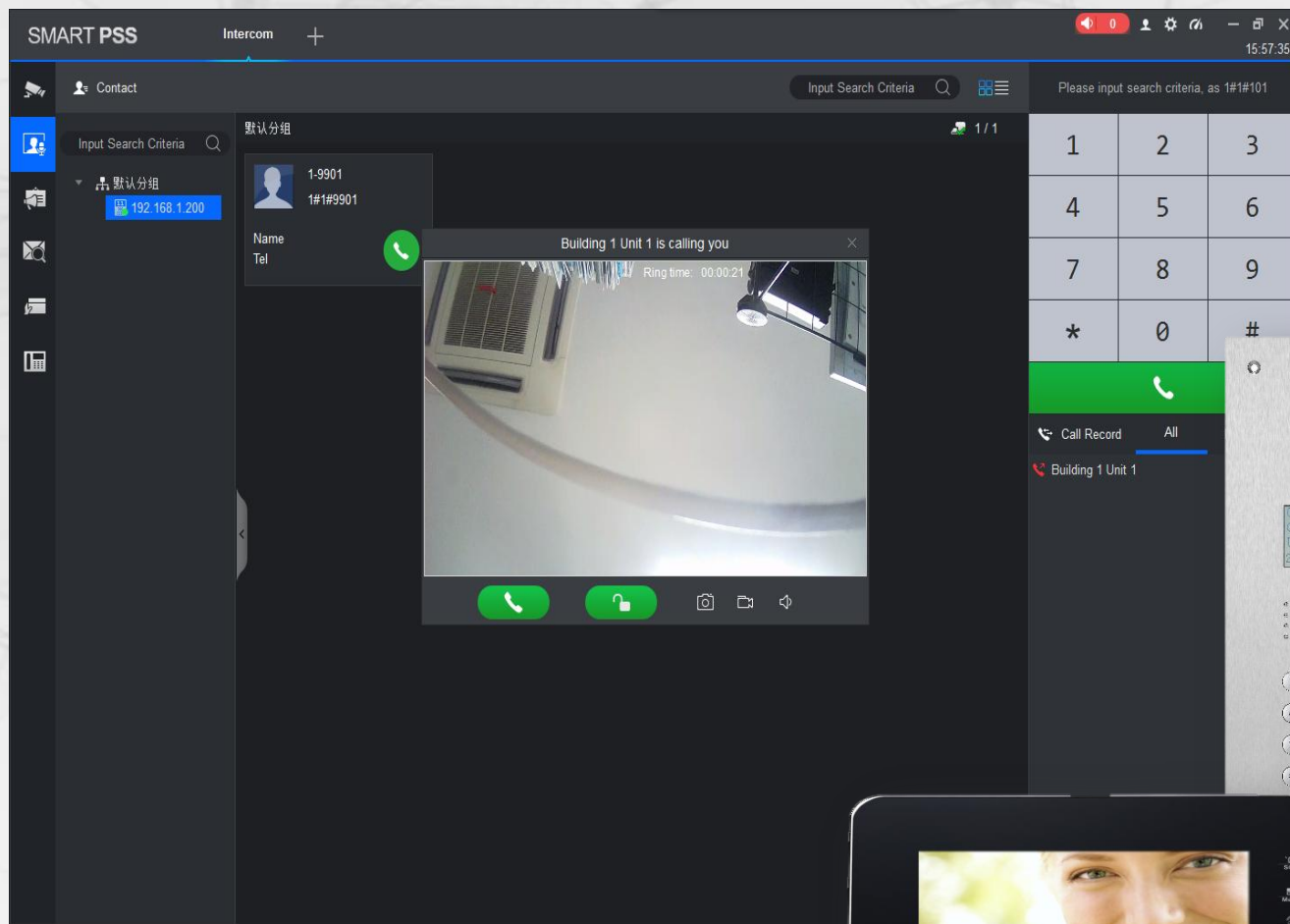
The screenshot displays the 'Attendance' configuration page in a software application. The left sidebar contains a navigation menu with the following items: Console, User, Access Control, Event, Log, and Attendance. The 'Attendance' item is selected, and its dropdown menu is open, showing 'Attendance Setting', 'Shift Schedule', and 'Report'. The main content area shows the configuration for an attendance rule named 'test1'. The configuration includes a table with columns for Name and Operation, and a form for setting work time and sign-in/sign-out times. The work time is set to 08:30 to 17:30. The sign-in times are 06:00 (Start) and 09:00 (End), and the sign-out times are 17:00 (Start) and 20:30 (End). There are checkboxes for 'Must Sign In' and 'Must Sign Out'. Below the form, there are settings for late sign-in, early leave, and sign-out time tolerance.

Attendance Setting  
Shift Schedule  
Report

- Attendance rule setup include attendance device, period, shift and holiday.
- Shift schedule support user shift, temporary shift and new user auto shift
- Attendance report support user attendance details count and statistics
- Support attendance data manual extraction
- Support ASI1212D access control device input



# VDP – Video Intercom



- Allow users to talk with VTO & VTH and receive call from them.
- Make it easy to manage all the video intercoms and CCTV products simultaneously.
- Publish messages to VTH.
- Information inquiry, such as alarm record, unlocking record, call record.
- Support card issuing.



# VDP – Video Intercom

SMART PSS Intercom 15:58:06

Input Search Criteria Please input search criteria, as 1#1#101

Criteria 默认分组 1/1

1-9901  
1#1#9901

Name  
Tel

You are calling: Building 1 Unit 1 Room 9901  
Ring time: 00:00:58

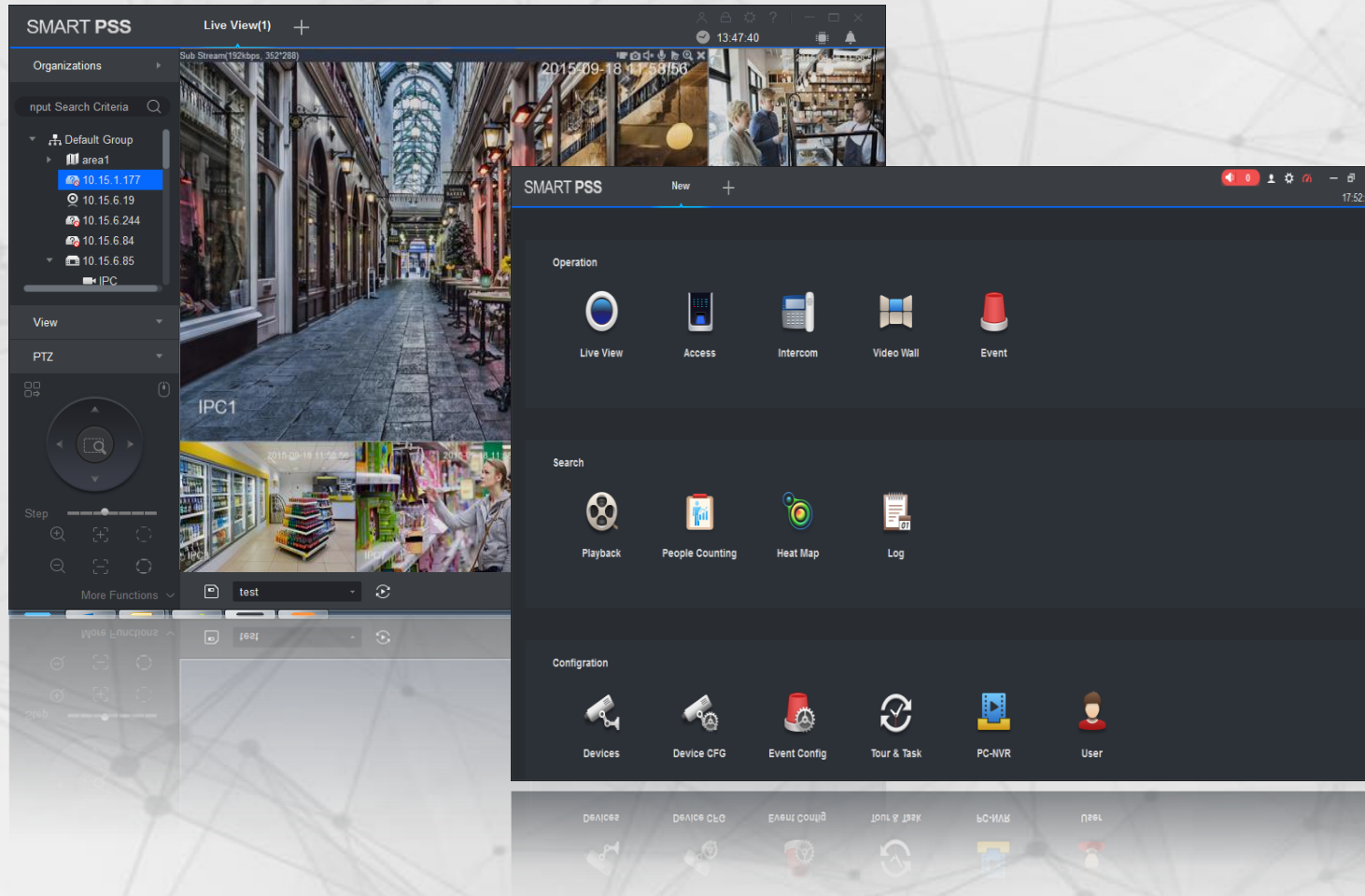
Calling, please wait a moment...

1 2 3  
4 5 6  
7 8 9  
\* 0 #

Call Record All Missed

Building 1 Unit 1 Room 9901  
Building 1 Unit 1

- Live view
- Talk
- Message Publish
- Information Inquiry
  - Alarm record
  - Unlocking record
  - Call record
- Card Issuing
- VTS Center



▶ **New Features**

▶ **Functionalities**

▶ **Specification**

# Installation

Windows administrator

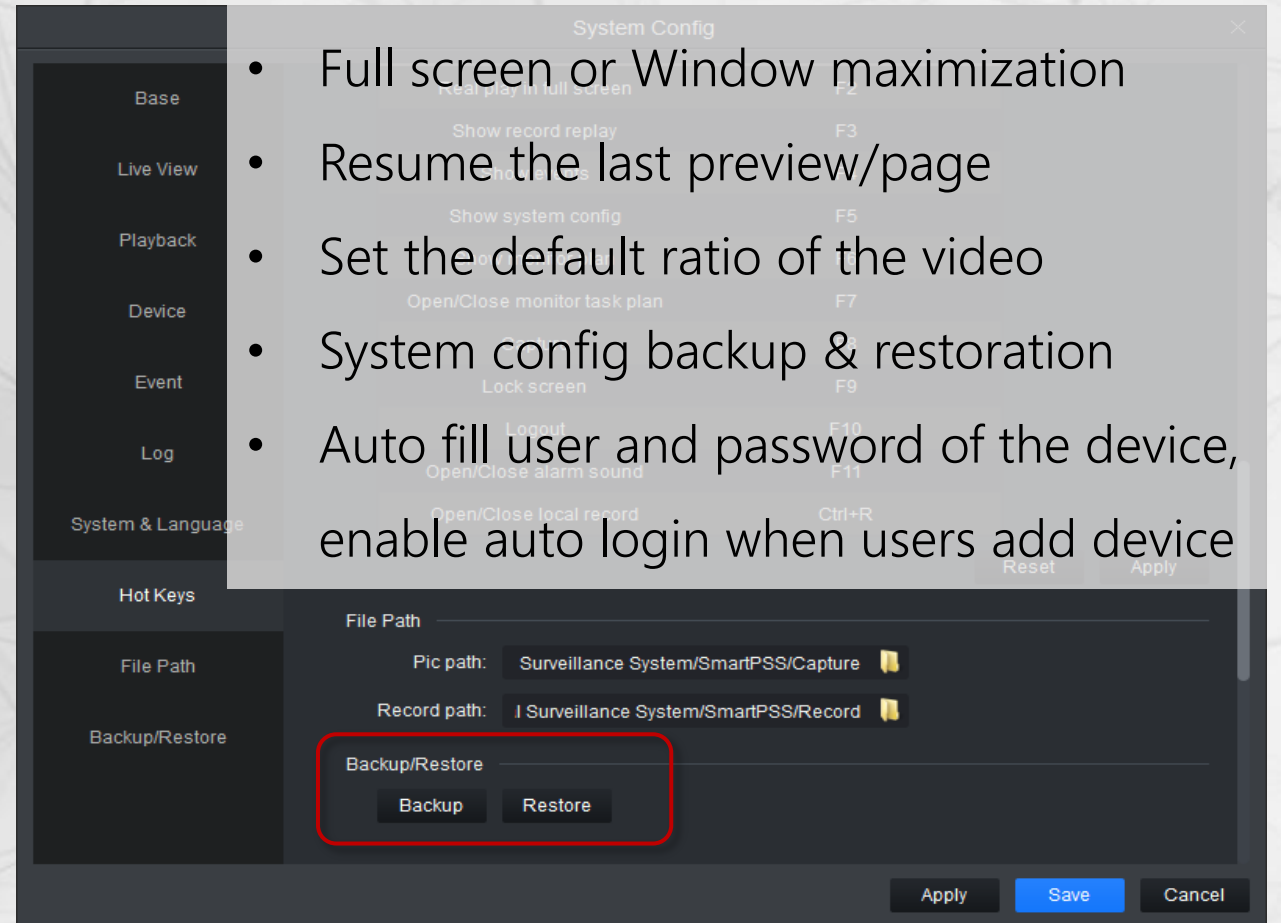
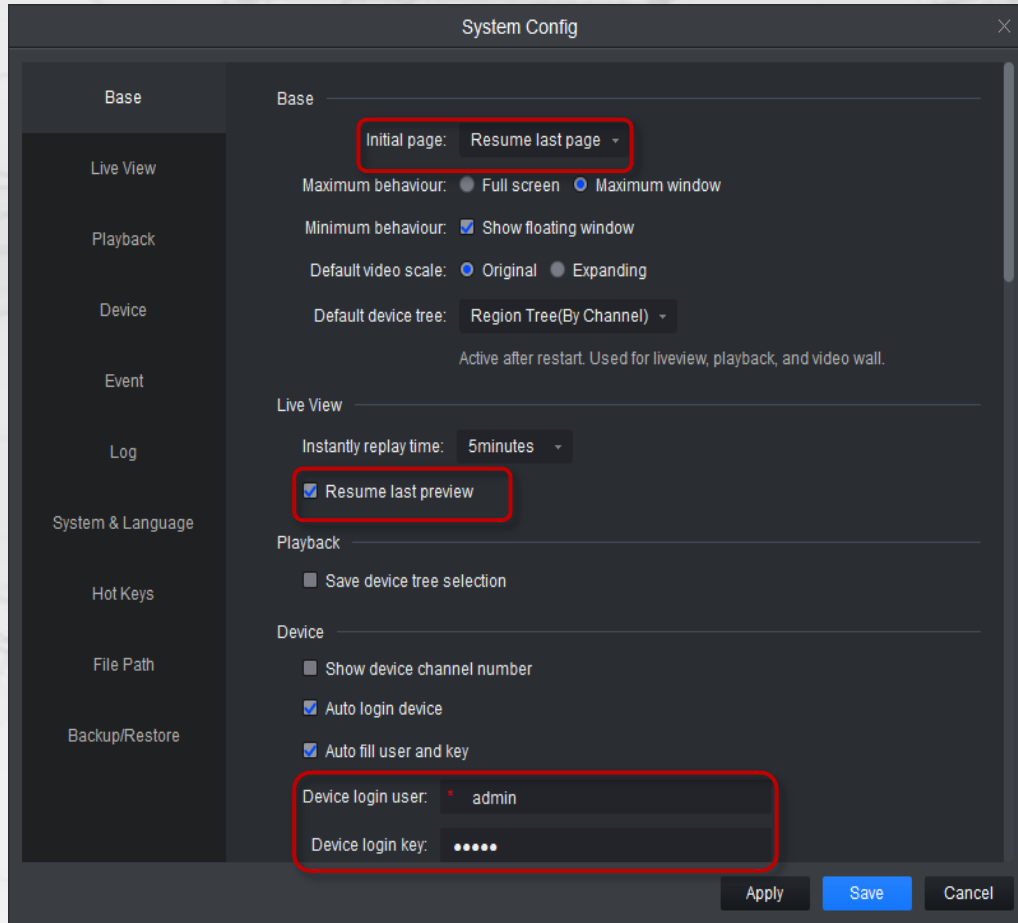


non-Windows administrator

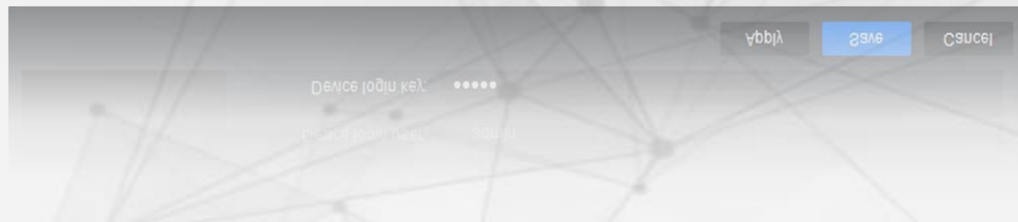


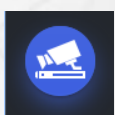
- New** ➤ Installation by Windows administrator, operation by **non-Windows administrator**
- Old** ➤ Installation by Windows administrator, operation also by Windows administrator

# System Config



- Full screen or Window maximization
- Resume the last preview/page
- Set the default ratio of the video
- System config backup & restoration
- Auto fill user and password of the device, enable auto login when users add device





# Device management

SMART PSS Devices + 15:41:52

Search + Add Delete Import Export All Devices: 4 Online Devices: 4

All Device	Encode Device								
No.	Name	IP/Domain Name	Type	Model	Port	Channel Number	Online Status	SN	Operation
1	1-0-0	10.15.6.82	NVS	ARC6416	40008	4/0/16/4	Online	1L0150DYAQ00003	[Edit] [Settings] [Refresh] [Delete]
2	10.15.6.19	10.15.6.19	IPC	IPC-HF8...	37777	1/0/2/2	Online	00:12:34:56:79:9a	[Edit] [Settings] [Refresh] [Delete]
3	10.15.6.85	10.15.6.85	NVR	DH-NVR...	40009	8/0/4/2	Online	2E03EBCPAZA40D3	[Edit] [Settings] [Refresh] [Delete]
4	PCNVR	10.18.116.171	PC-NVR	PC-NVR...	37777	32/0/0/0	Online	N/A	[Edit] [Settings] [Refresh] [Delete]

Auto Search

Device Segment: 10 . 18 . 116 . 0 - 10 . 18 . 116 . 255 Search

Refresh IP Modify IP Search Device Number:

No.	IP	Type	Mac	Port
-----	----	------	-----	------

Modify the device IP

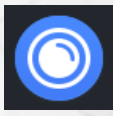
New IP \*

SubMask \*

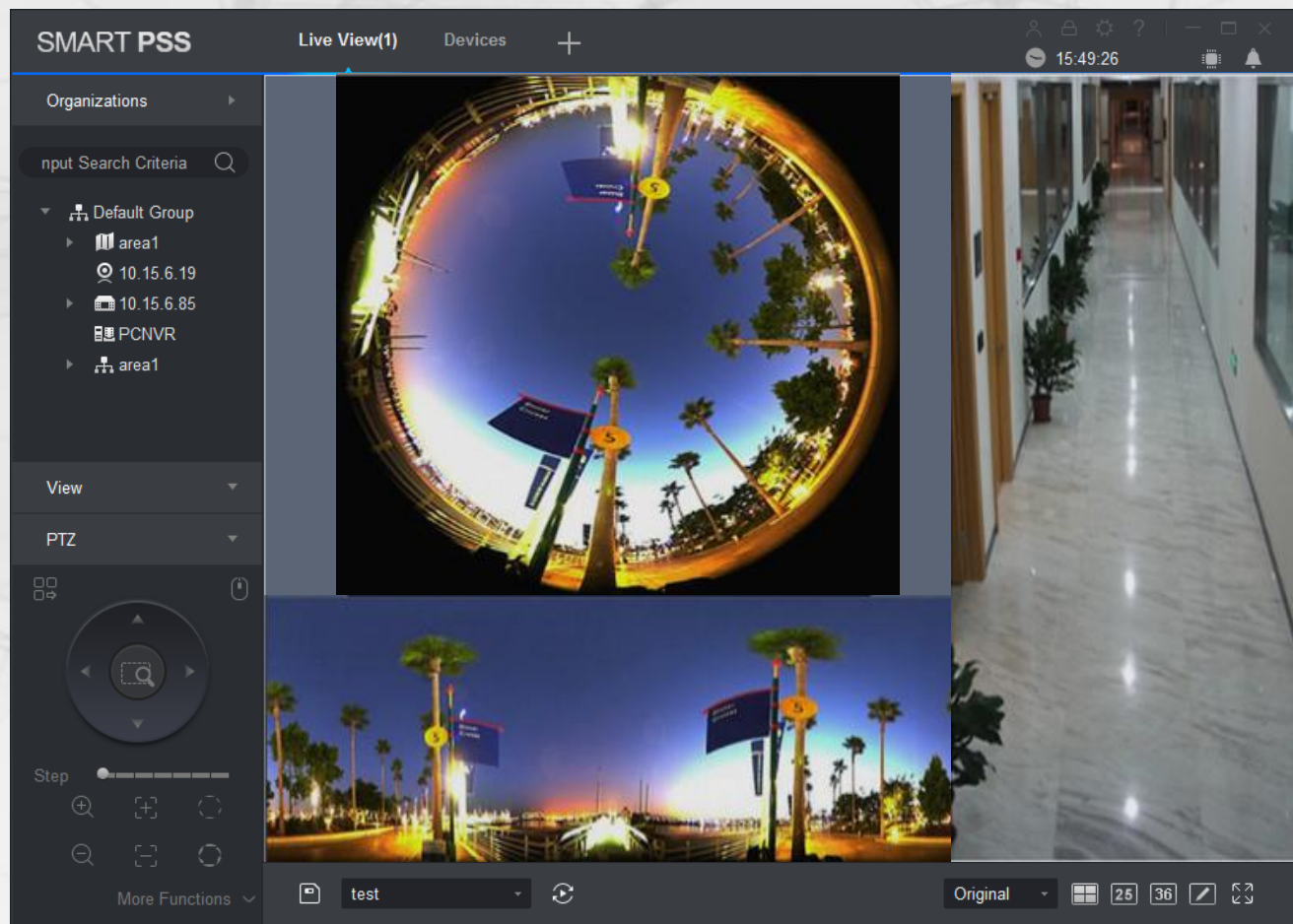
Gateway \*

Save Cancel

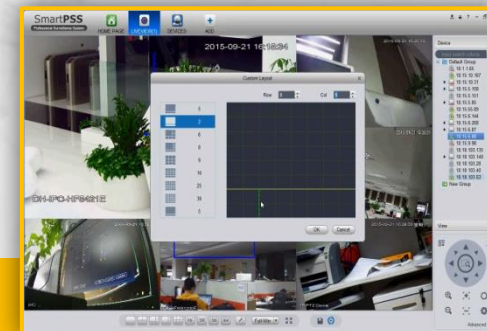
- Auto find & add devices in specific network segment range of 255.
- Add device manually by:
  - IP address
  - DDNS domain
  - P2P
- Import & Export devices to share devices on multiple clients
- Check & Export status of online devices, connection, etc.
- Modify IP of the devices searched, Batch or Manual



# Custom Layout

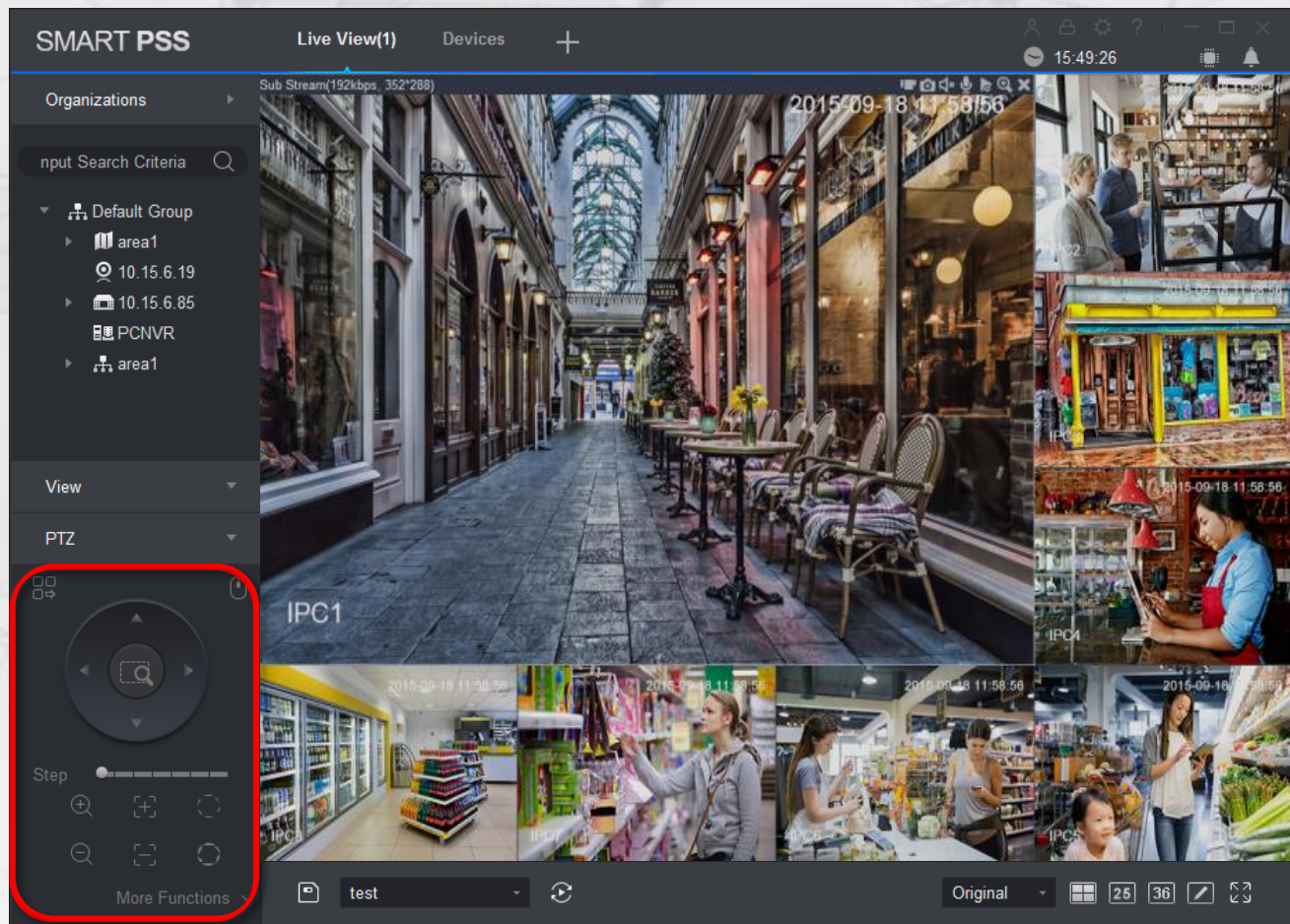


- Custom layouts to fit various monitor scenes
- Adjust videos with different aspect ratios: 4:3, 16:9, full-screen, etc.
- Save custom views for tour & reuse.



WATCH VIDEO

# PTZ Control

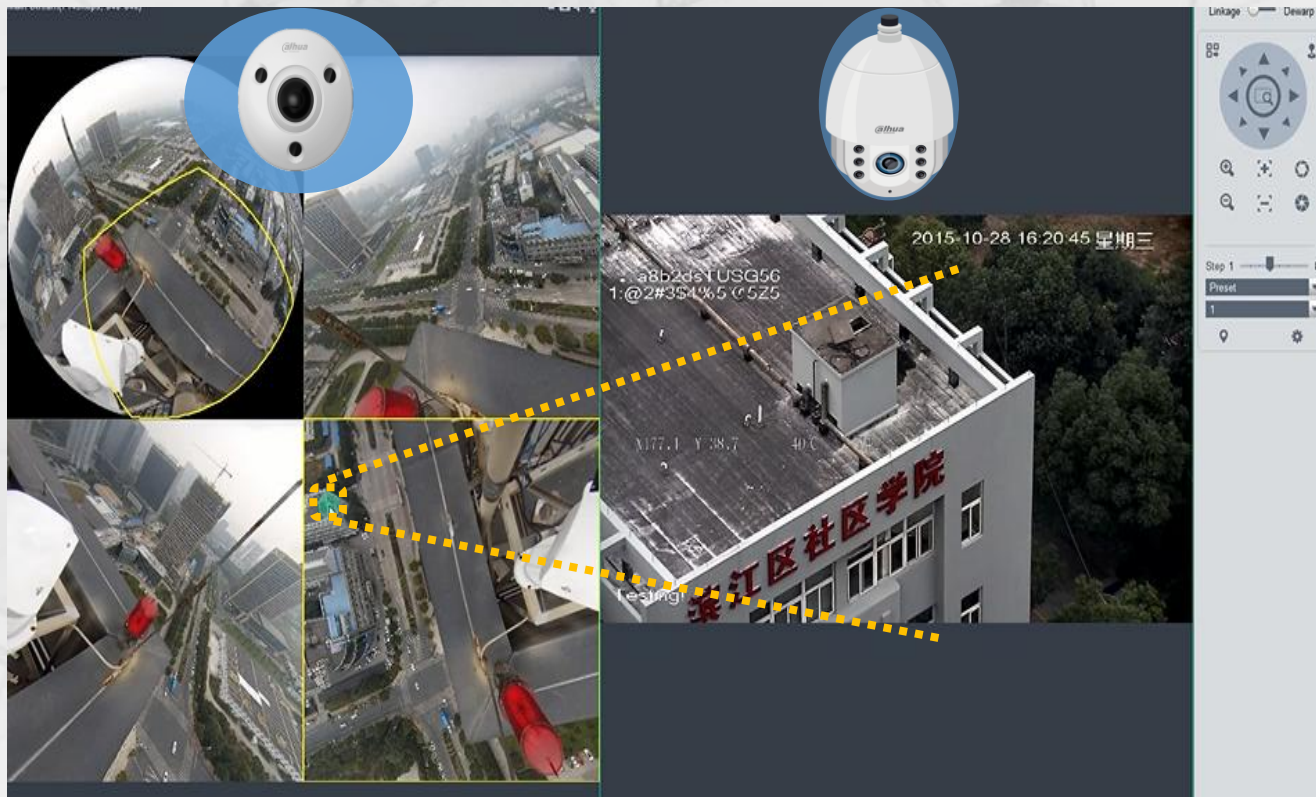


- PTZ camera control
  - Control PTZ with arrow button
  - Zoom in/out
  - Control PTZ with mouse on the preview window
  - Set preset, Tour, etc.



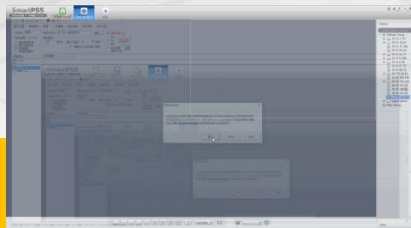
# Smart Track

Link a fish eye and speed dome

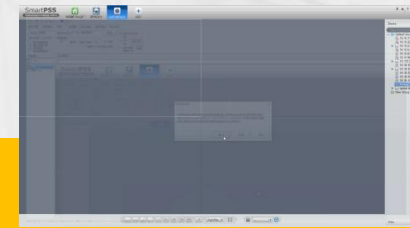


- Link a fish eye and speed dome(s)
  - Overview image of fish eye camera
  - Regional details from speed dome
  - Point and track by manual
  - Precise and fast
  - Simple calibration

Calibration



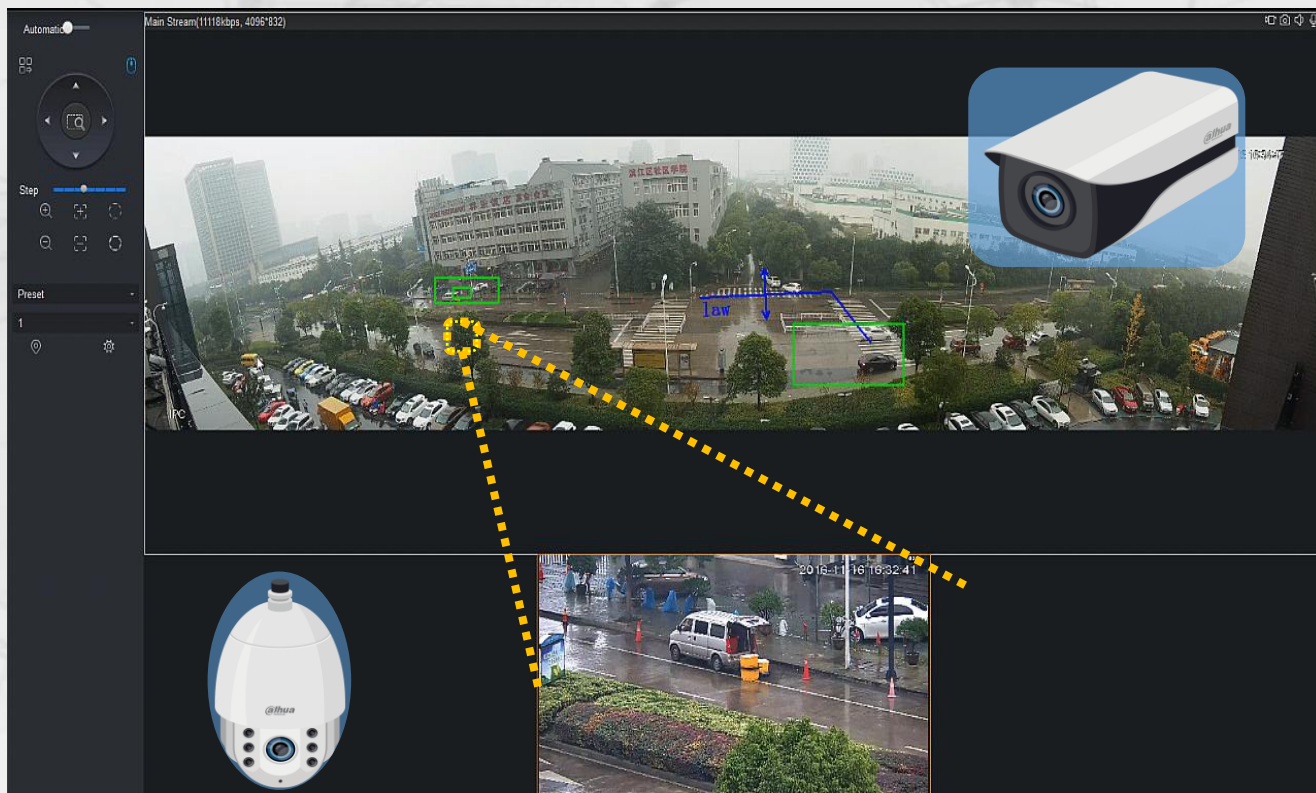
Operation



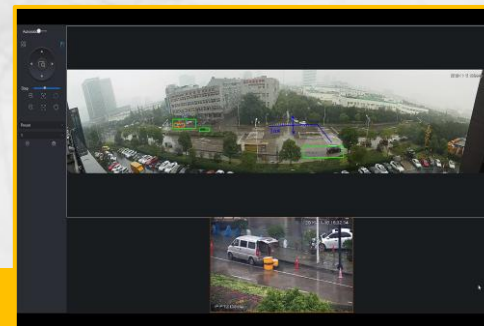


# Smart Track

Link a bullet and speed dome



- Link a bullet and speed dome
  - Overview image of bullet camera
  - Regional details from speed dome
  - Point and track by manual
  - IVS track automatically
  - Precise and fast
  - Simple calibration



Calibration

# Playback

The screenshot shows the SMART PSS playback interface. The top navigation bar includes 'SMART PSS', 'PC-NVR', 'Devices', 'Event Config', and 'Playback' tabs. The left sidebar contains a 'Device' section with 'Local' selected, a search criteria input, and a device tree. The central area displays two video feeds. The right sidebar shows a file list with columns for device name, timestamp, duration, and file size. The bottom section features a timeline with a playhead at 11:55:16 and various playback controls.

- New device video file list which support filtering video types
- Add local video and image file, the file display support thumbnail and list
- Picture play supports automatically play next, also supports full-screen play
- Support reverse play, single frame backward
- Add the intelligent recording type in search recording type



# Smart Search

SmartPSS Professional Surveillance System

HOME PAGE PC-IVR DEVICE CFG PLAYBACK ALARM ALARM CFG DEVICES ADD

2015-09-21 14:11:26

Device Local

Device

Input search criteria

- Default Group
  - 10.15.1.66
  - 10.15.10.167
  - 10.15.10.31
  - 10.15.5.108
  - CAM 1
  - CAM 2**
  - CAM 3
  - CAM 4
  - CAM 5
  - CAM 6
  - CAM 7
  - CAM 8
  - CAM 9
  - CAM 10
  - CAM 11
  - CAM 12
  - CAM 13
  - CAM 14
  - CAM 15
  - CAM 16
  - 10.15.5.11

View

Type All

Stream Main Stream

Card ID

From 2015-09-21 00:00:00

To 2015-09-21 23:59:59

Search

Window1\_CAM 2

Window2\_IPC-HF

Window3\_DH-IPC

Window4

2015-09-21

14:00:00 14:05:00 14:10:00 14:15:00 14:20:00

Window1\_CAM 2

Window3\_DH-IPC

Window4

2015-09-21

14:00:00 14:05:00 14:10:00 14:15:00 14:20:00

Window1\_CAM 2

Window3\_DH-IPC

Window4

2015-09-21

14:00:00 14:05:00 14:10:00 14:15:00 14:20:00

- When you spot an area of interest, click to jump to playback of the corresponding motion detection video fragment.

WATCH VIDEO

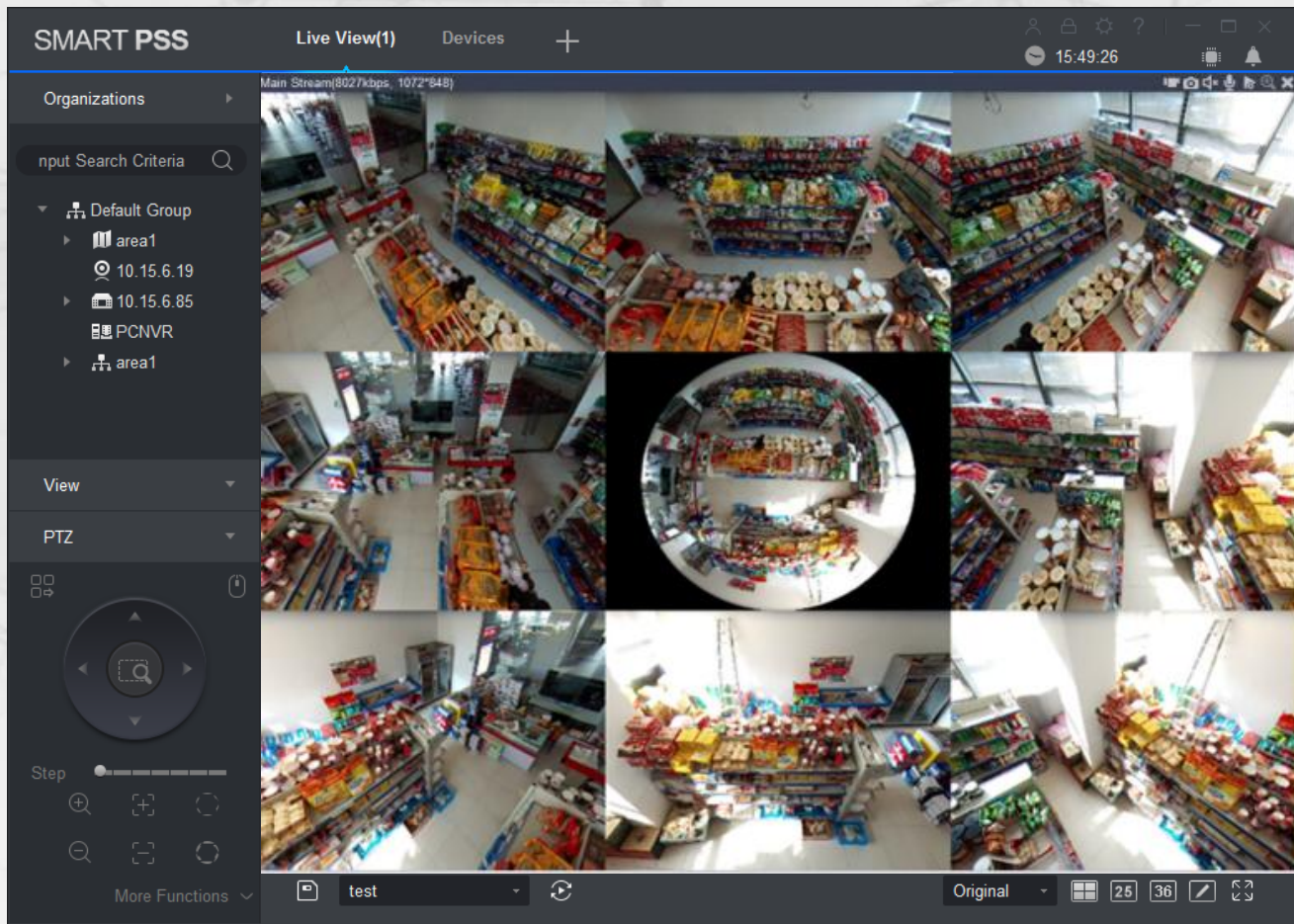


# Face Detection

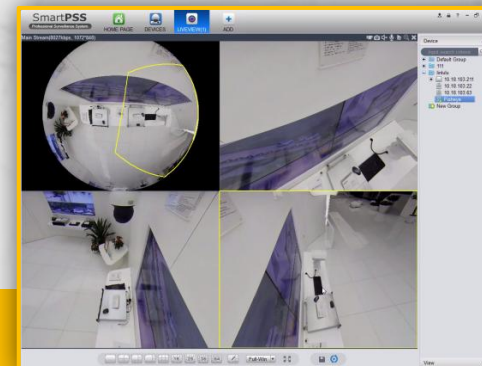


- Support face capture of ultra-smart IPC.
- You can check face snapshot in LOG interface.

# Fish Eye Dewarping

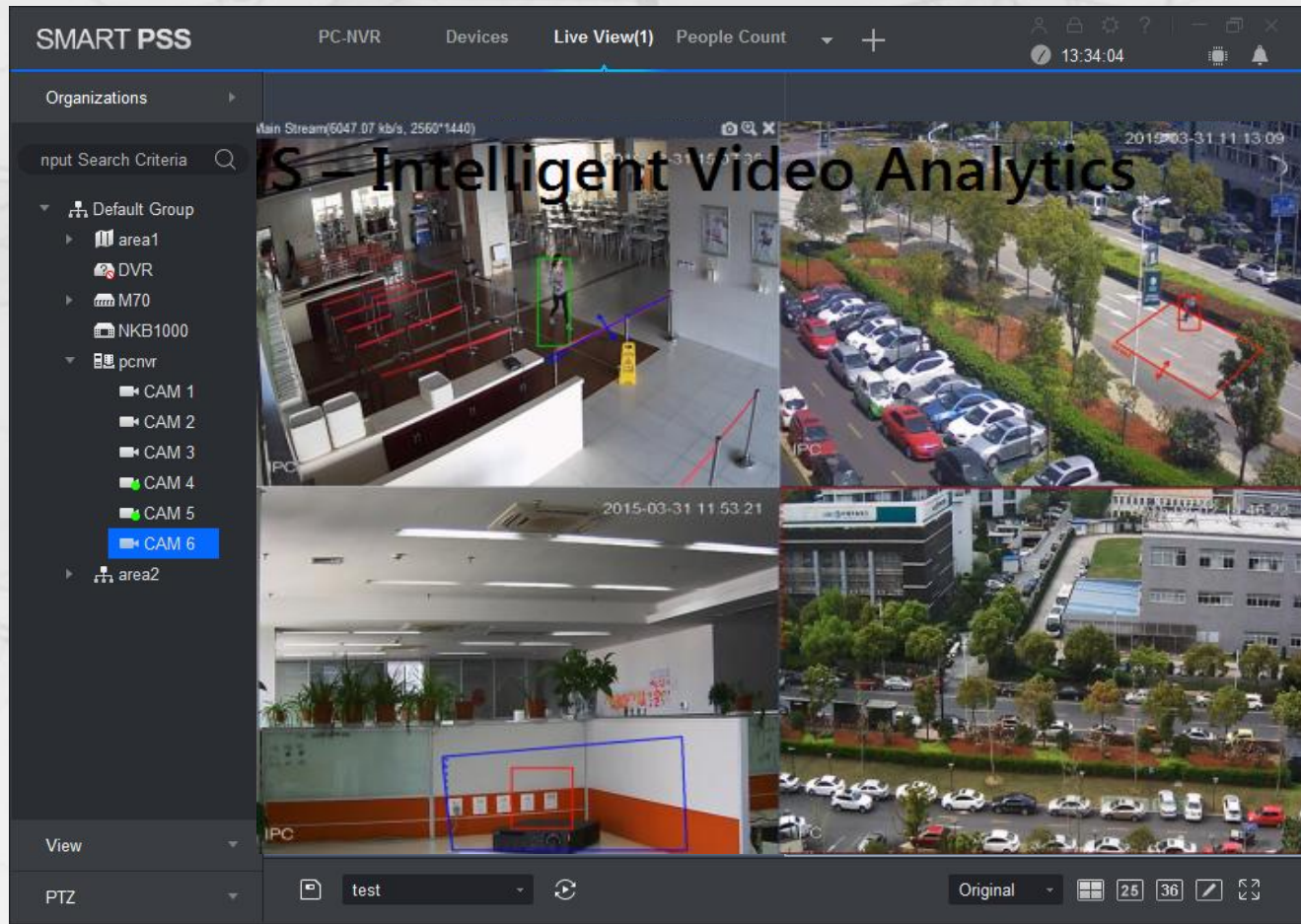


- Support fisheye dewarp of fisheye camera in preview and playback.
- Support three installation modes: ceiling mounted, wall mounted and ground mounted for fisheye Camera.
- Support 8 kinds of dewarping view.



WATCH VIDEO

# IVS – Intelligent Video Analytics



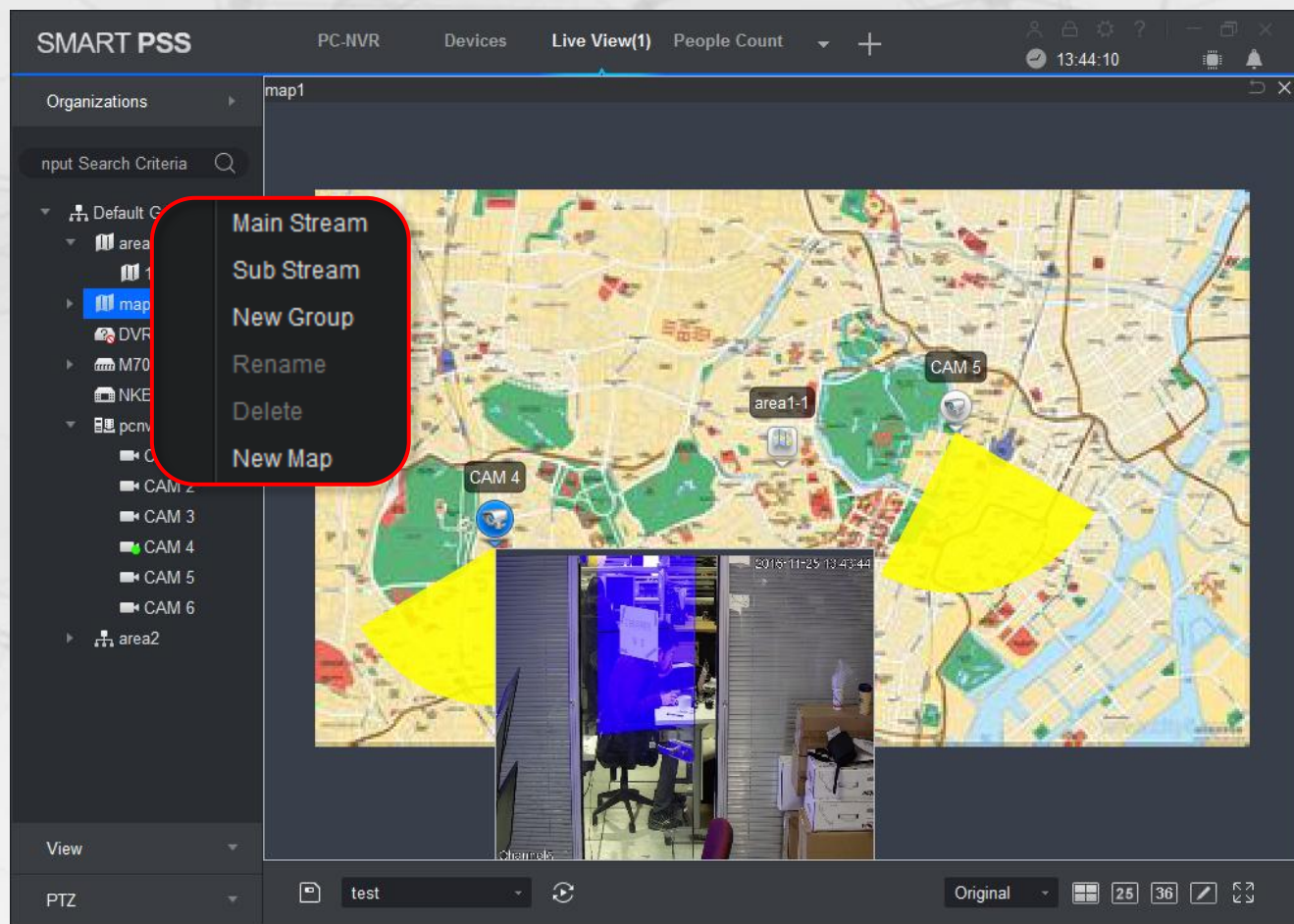
- Interactive configuration of IVS tools :Tripwire, Intrusion, Abandon Detection and Scene Change
- Display real-time IVS event detection



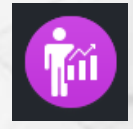
WATCH VIDEO



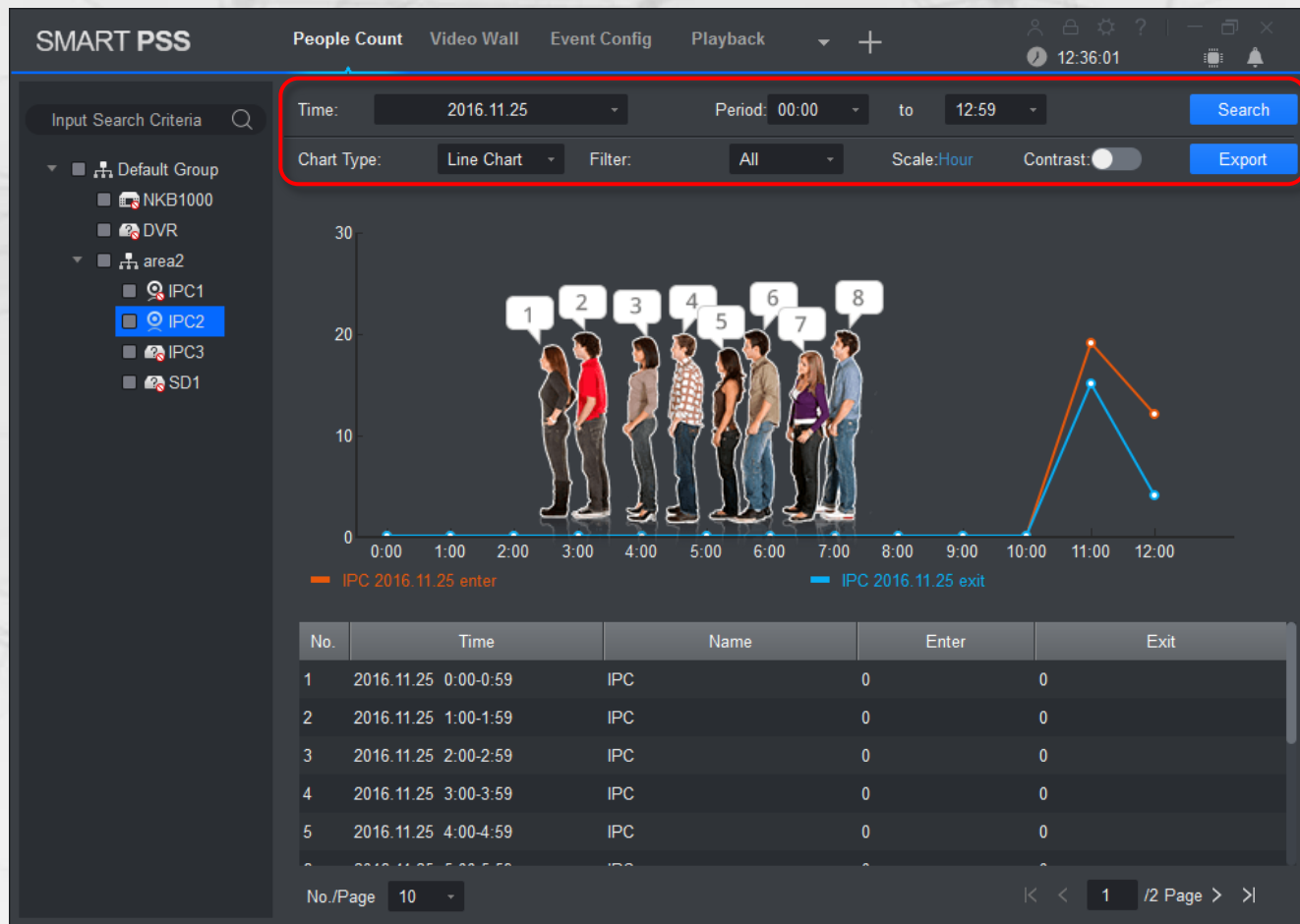
# Map – Link Geo Info



- Levels Maps – One large map and multiple small areas.
- Set cameras and their locations on map.
- When a channel has an alarm attached to it, the icon of camera will turn red.

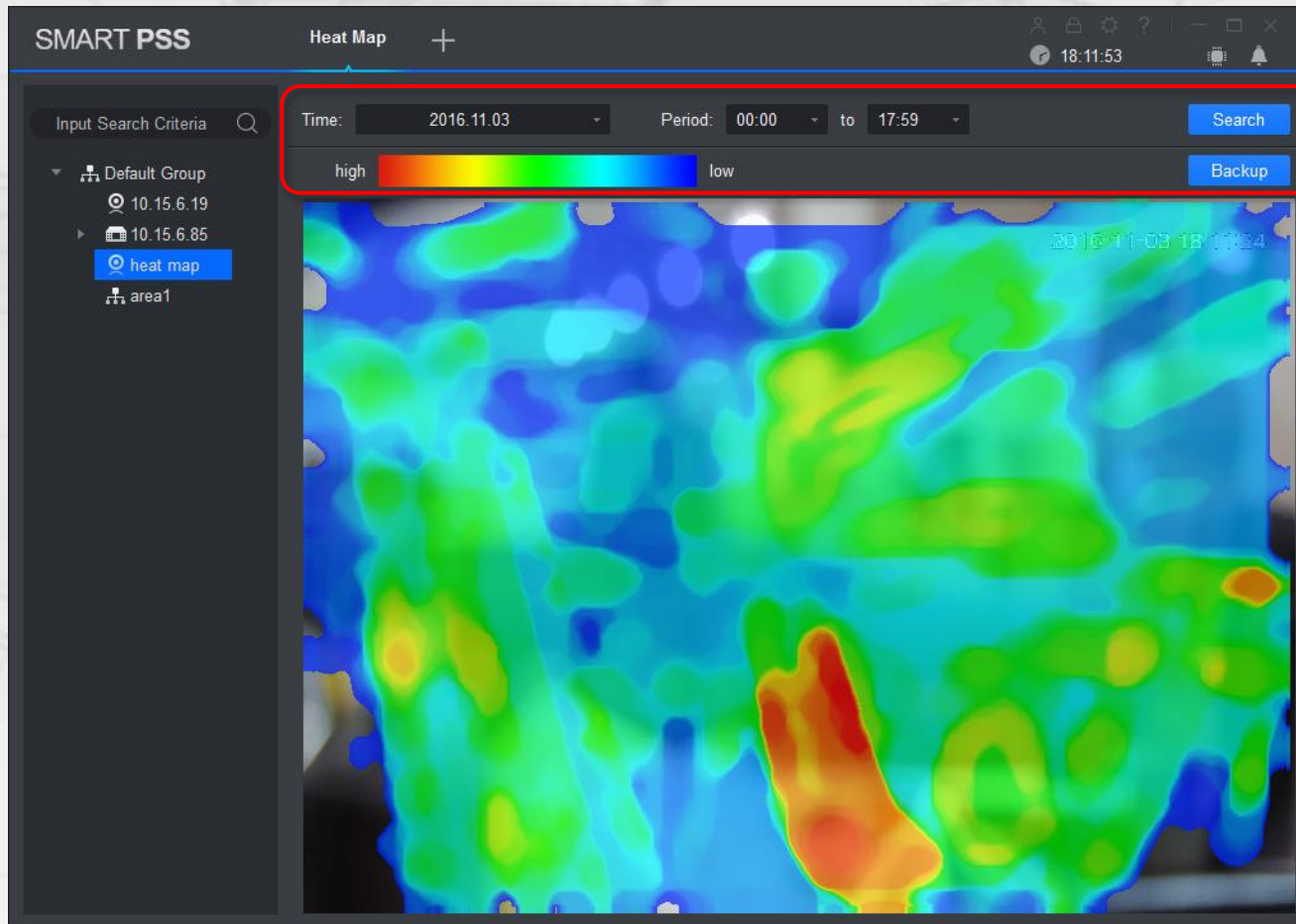


# People Counting



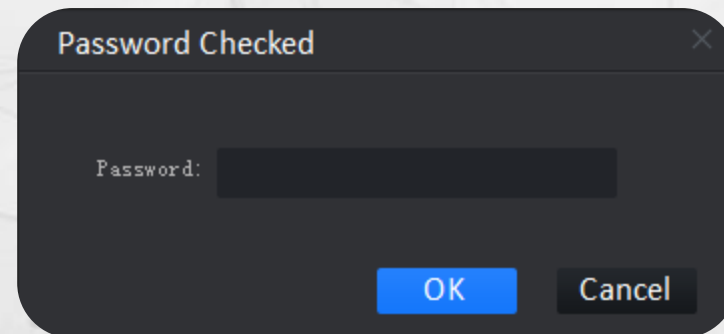
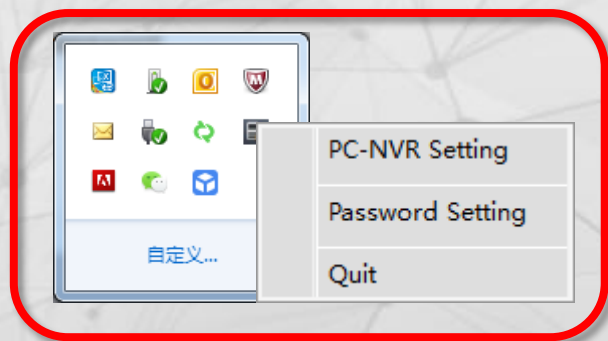
- Retrieve people counting data from supported cameras.
- Support search counting data in various criteria.
- Data can be displayed in Line Chart view or Bar Chart.
- Each direction statistics can be viewed separately.

# Heat Map

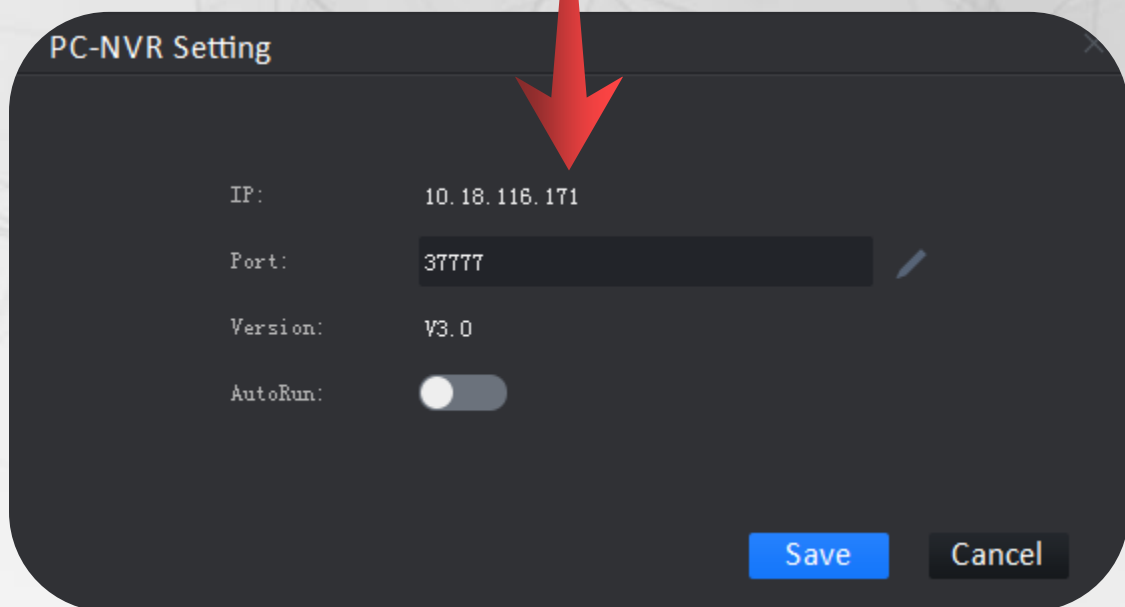


- Show the high or low popularity area
- Support backup & search

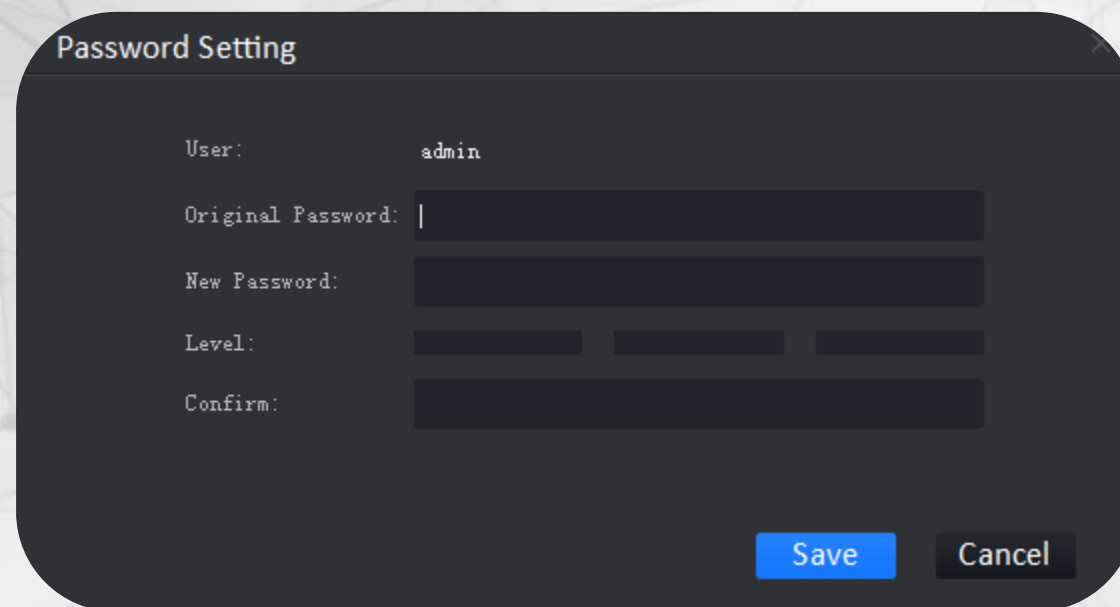
# PC - NVR



Check the password now if we want to quit the PC-NVR



support to modify port



Support to modify admin password

# PC - NVR

SMART PSS PC-NVR Video Wall Heat Map + 18:20:54

Name: PCNVR IP: 10.18.116.171 Port: 37777 Status: Online Channel: 1/32

Channel: heat map\_CAM 1 Stream Type: Main Stream Pre-recorded: 4 Seconds (0-30s) Delayed recording: 10 Sec (10-100s)

Main Stream  
Sub Stream

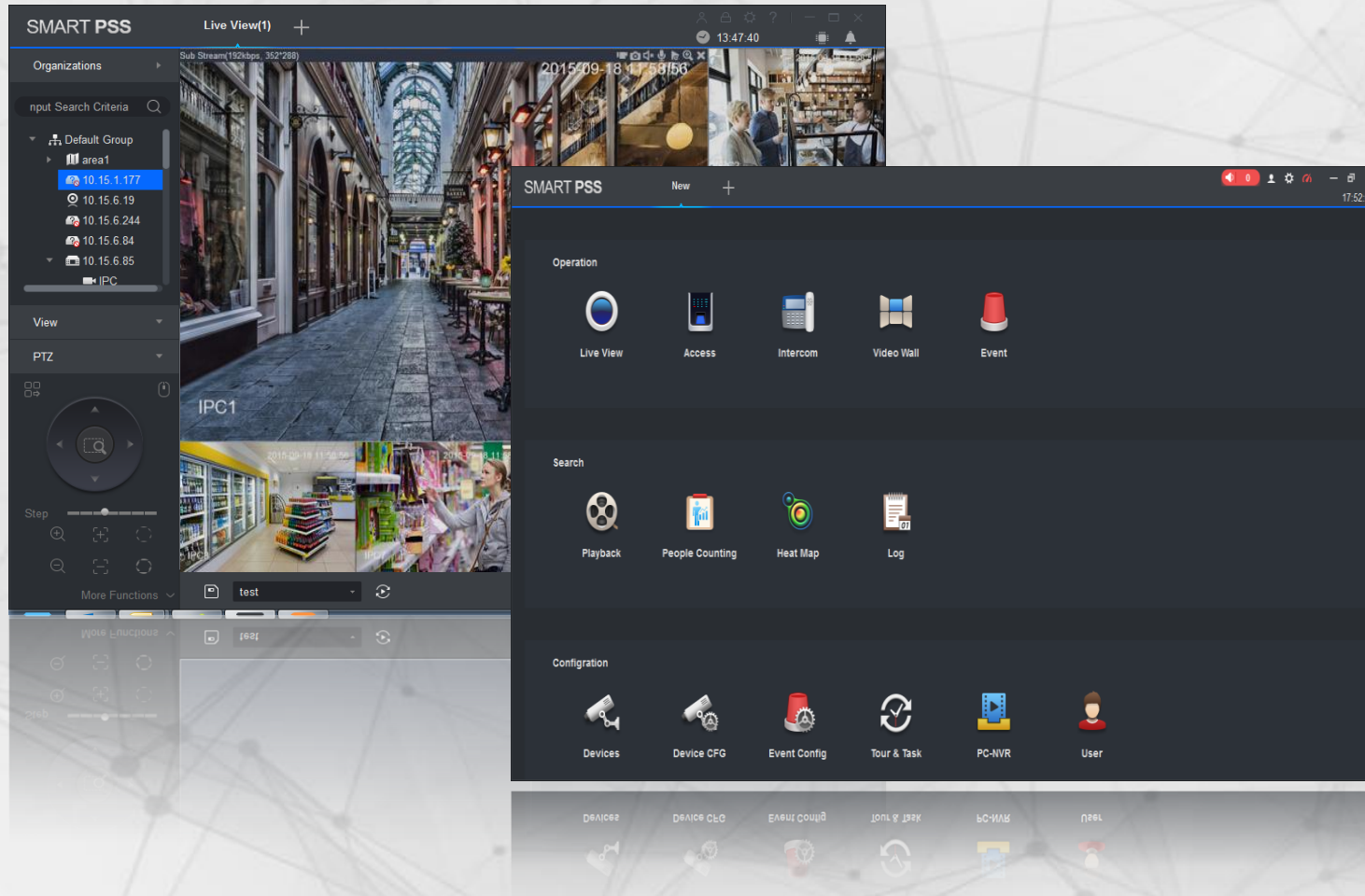
Regular  MD  Alarm  MD&Alarm  Smart

Week 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Sun  
Mon  
Tue  
Wed  
Thu  
Fri  
Sat

Copy to Default Save

- Choose recording stream type
- Main stream or sub stream
- Set intelligent recording plan
- Set pre-recorded/delayed time



▶ **New Features**

▶ **Functionalities**

▶ **Specification**

# SmartPSS

## Specification

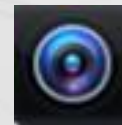
<b>Devices &amp; Users Video</b>	Supported Devices	DVR, NVR, IPC, NVS, Video Wall Controller, NKB, VDP, ASC
	Max. Management Devices	64
	Max. Management Channels	256
	Max. number of Users	50
	Compression Format	H.265/H.264/MPEG-4/JPEG/SVAC
	Display Resolution	up to 4000 x 3000
<b>Live Preview</b>	Video Display Split	1/4/6/8/9/16/25/36 or customized split for Mac, up to 64 for Windows
	Max. Preview Screen	4
	Features	Snapshot, E-PTZ, Audio, Record, Talk, Instant playback, Tour task, View, Fisheye image correction, IVS, Stream control, Optional video scale, Smart track config
<b>Playback</b>	Max. Channels	36
	Max. Task of Export	10 once
	Features	Snapshot, E-PTZ, Audio, Speed 1/8x~8x, Synchronization playback, Fisheye image correction, IVS, Faster/Slower play, Optional video scale
<b>Recoding</b>	PC-NVR	32 Channels

# SmartPSS

## Specification of intelligent building

Devices	Supported Devices	VTO,VTS,ASC,ASM
ASC	Max. Management ASC	64
	Max. number of Users	10K
	Max. number of Event log	100K
VDP	Max. Management VTO	64
	Max. Management VTH	256
	Max. Management VTS	8
	Max. number of VDP Users	10K
Attendance	Max. number of Attendance Devices	10

# Thank you



Smart PSS



Zhejiang Dahua Technology CO., LTD

Overseas Business Center