

# Smart PSS V2.02.1

Dahua Technology

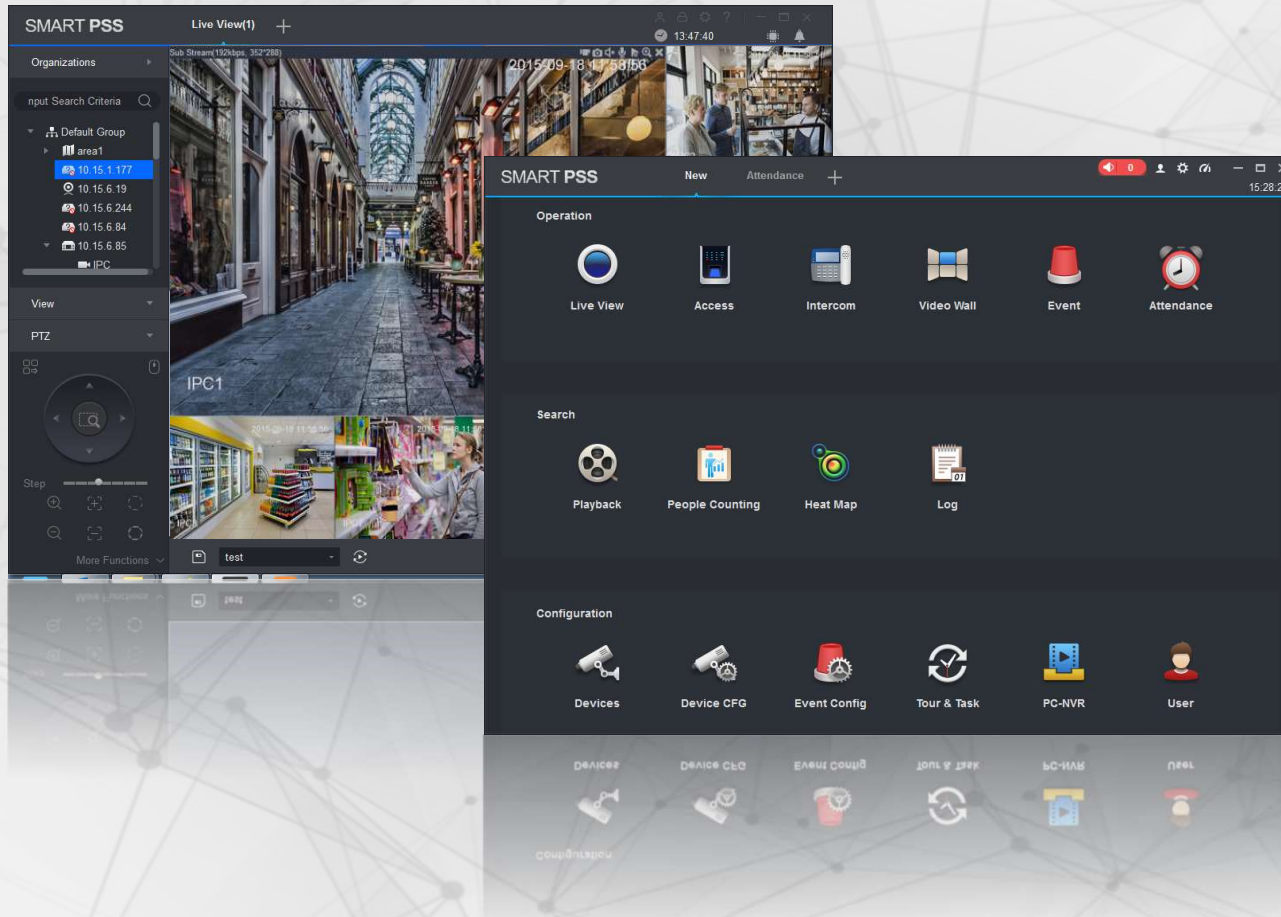
# SmartPSS

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? -26 language



Farsi



Arabic



Russian



Japanese



Korean



English



Vietnamese



Thai



Indonesian



Finnish



Spanish



Portuguese



French



Dutch



Italian



German



Czech



Slovakia



Hungarian



Polish



Bulgarian



Swedish



Norwegian



Brazil Portuguese

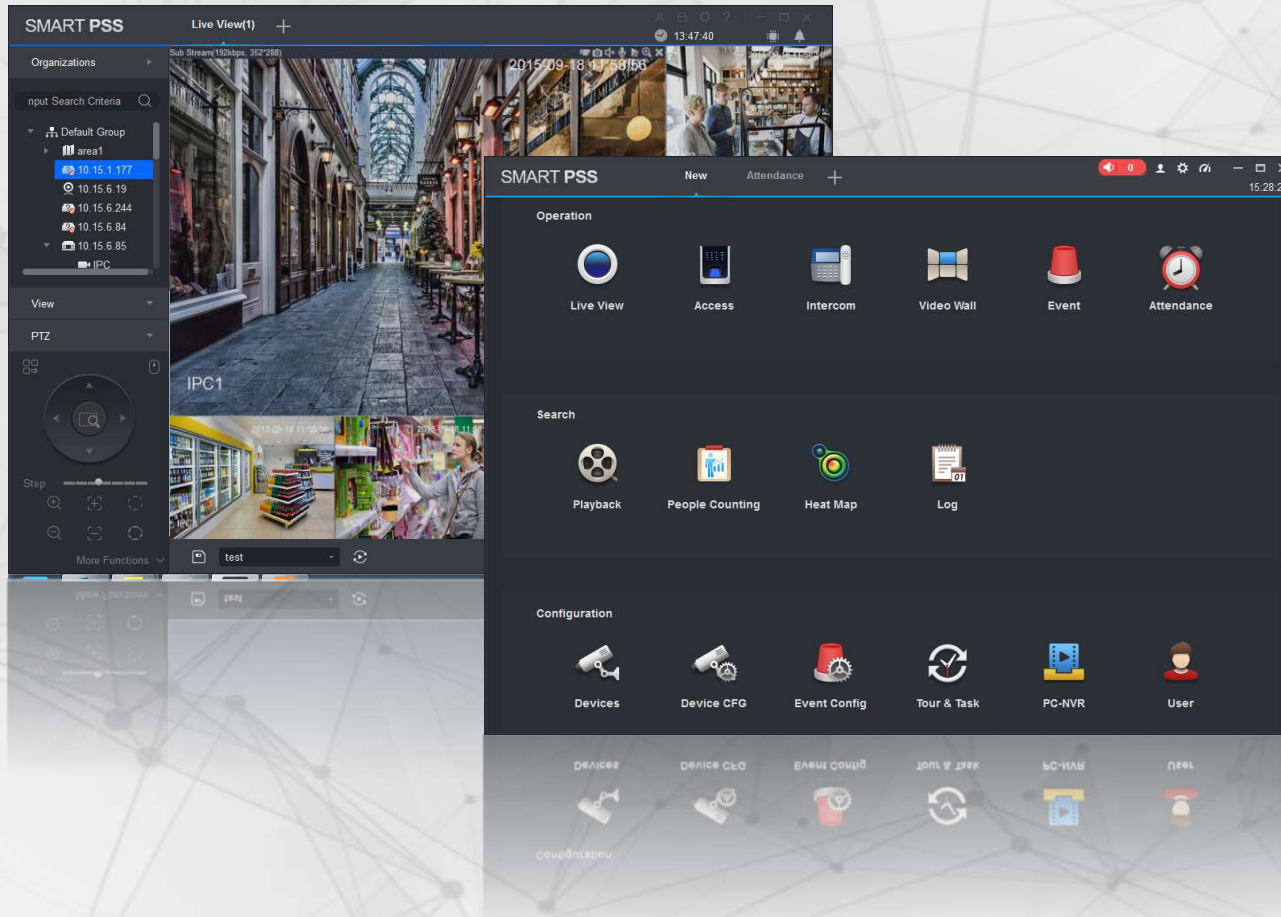


Slovenia



Serbian

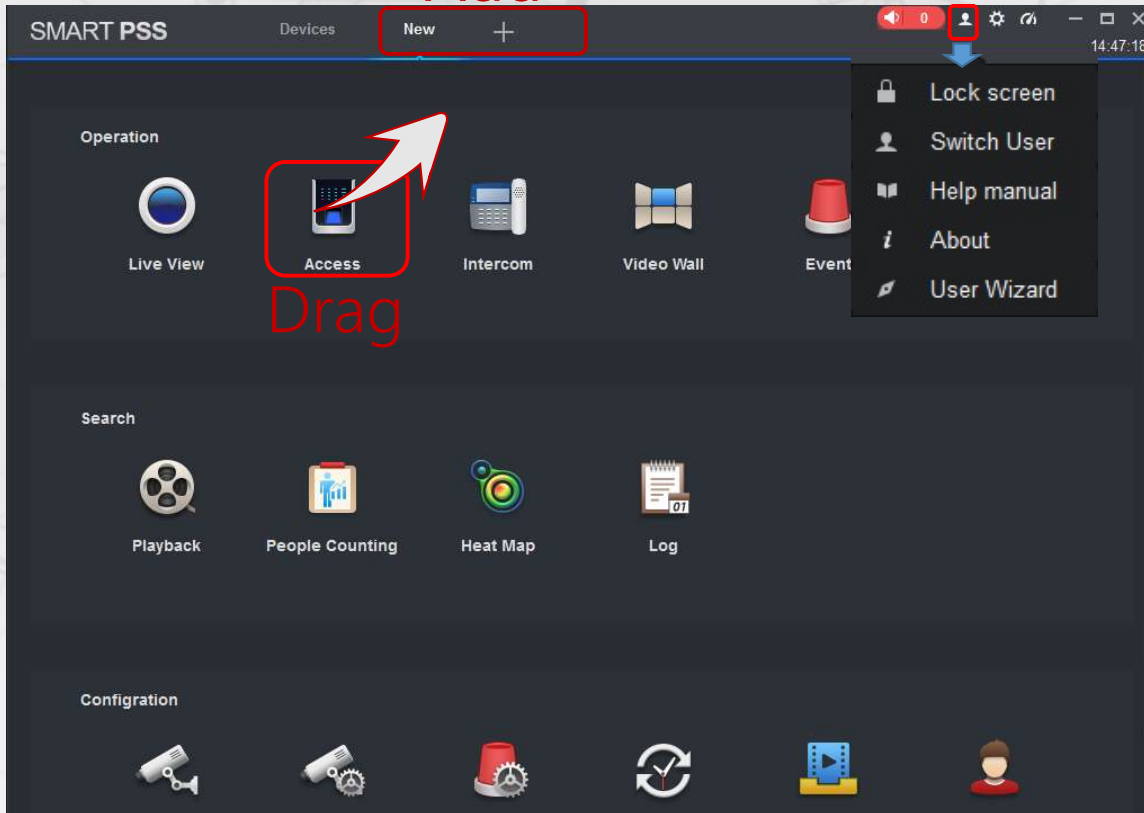




- ▶ New Features
- ▶ Functionalities
- ▶ Specification

# 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 yellow warning icon and the text 'Please set admin password at first installation!'. There are three input fields: 'Password', 'Password Strength' (with a strength indicator), and 'Confirm Password'. A checkbox labeled 'Auto Login after Registration' is also present. At the bottom right, there are 'Next' and 'Cancel' buttons.

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 yellow warning icon and the text 'Please set security questions!'. There are three sets of questions and answers: 'Question 1: What is your favorite children's book?', 'Question 2: What was the first name of your first boss?', and 'Question 3: What is the name of your favorite fruit?'. Each question has a dropdown menu and an 'Answer' input field. 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

# Installation

Windows administrator



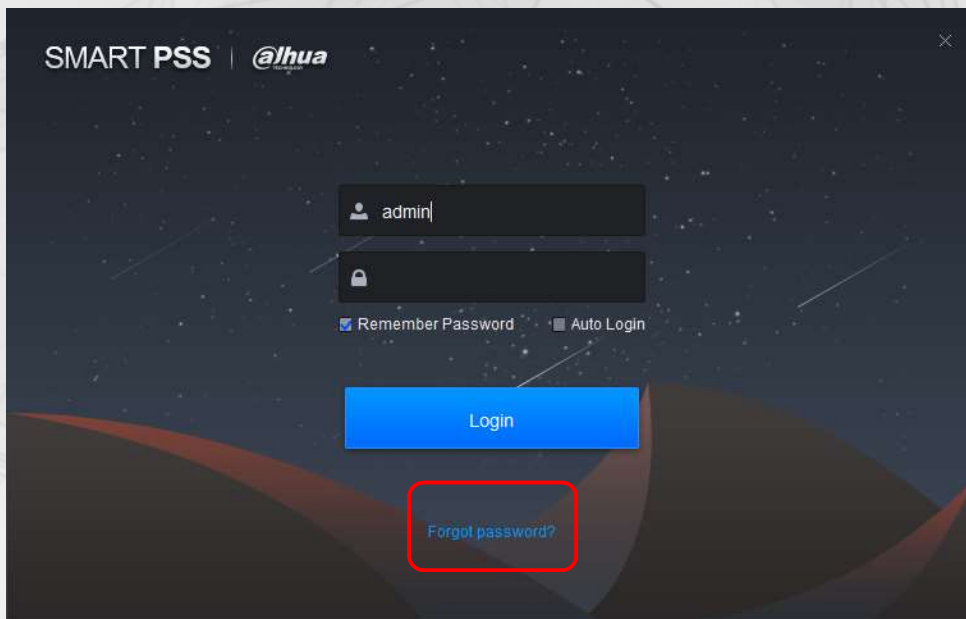
non-Windows administrator



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



# Initialization of the password



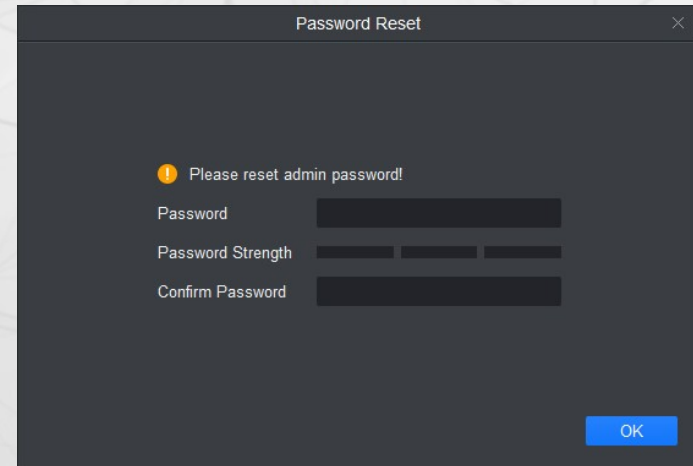
SMART PSS | *alhua*

admin|

Remember Password  Auto Login

Login

[Forgot password?](#)



Password Reset

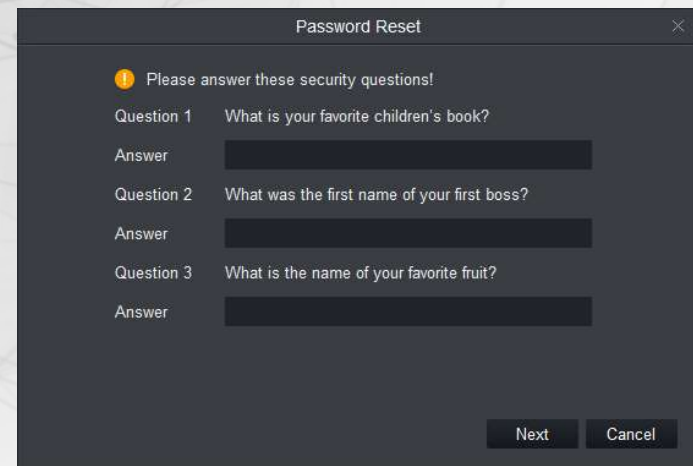
Please reset admin password!

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

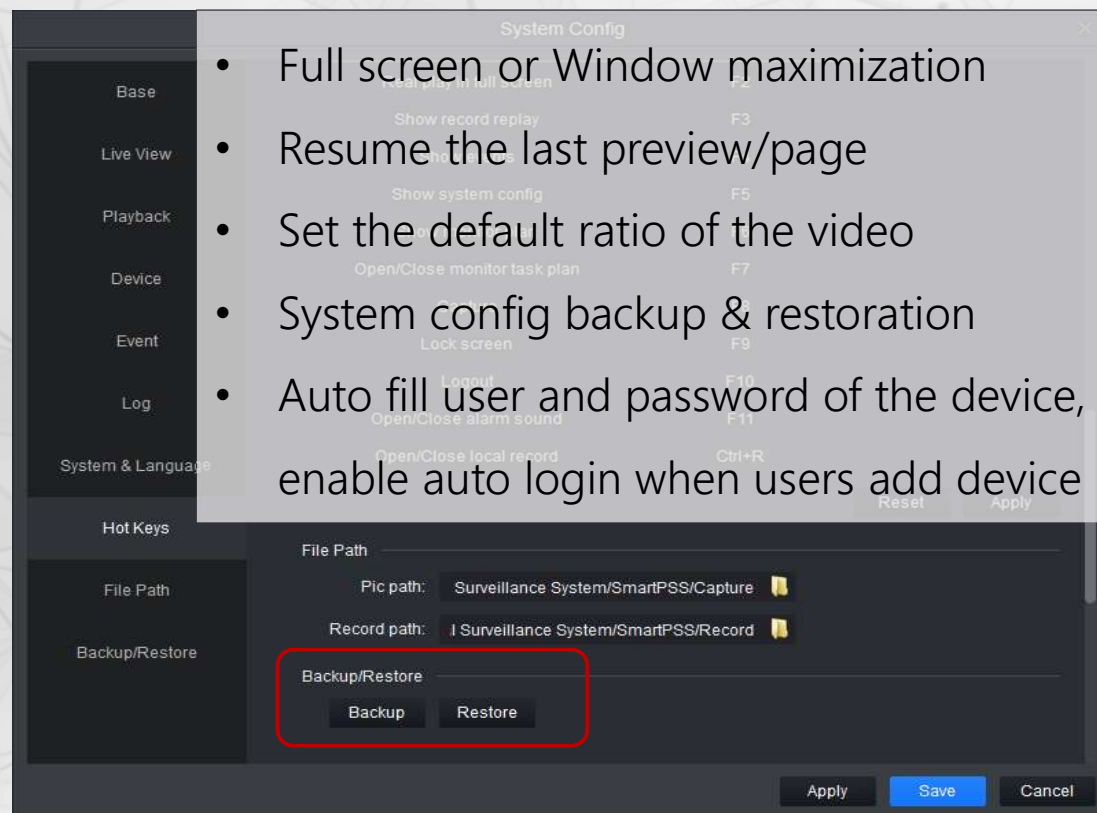
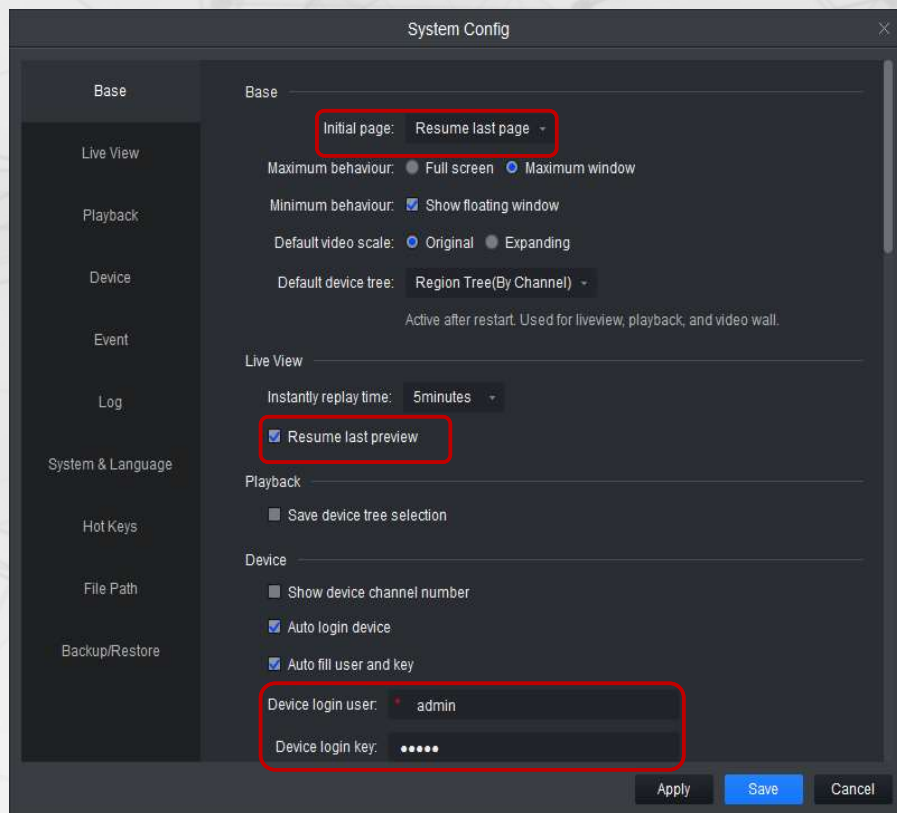
Question 3 What is the name of your favorite fruit?

Answer

Next Cancel

- U can initialize the password by the security question now

# System Config



# 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] [trash]
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] [trash]
3	10.15.6.85	10.15.6.85	NVR	DH-NVR...	40009	8/0/4/2	Online	2E03EBCPAZA40D3	[edit] [settings] [refresh] [trash]
4	PCNVR	10.18.116.171	PC-NVR	PC-NVR...	37777	32/0/0/0	Online	N/A	[edit] [settings] [refresh] [trash]

Auto Search

Device Segment: 10.18.116.0 - 10.18.116.255 Search

Refresh Modify IP Search Device Number:

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

Modify the device IP

New IP [input field]

SubMask [input field]

Gateway [input field]

Save Cancel

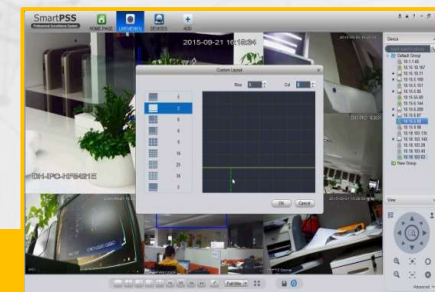
- Auto find & add devices in specific network segment range of 255.
- Add device manually by:
  - IP address
  - DDNS domain
  - P2P
- Import & Export devices to share devices on multiple clients
- Check & Export status of online devices, connection, etc.
- Modify IP of the devices searched, Batch or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



# Custom Layout



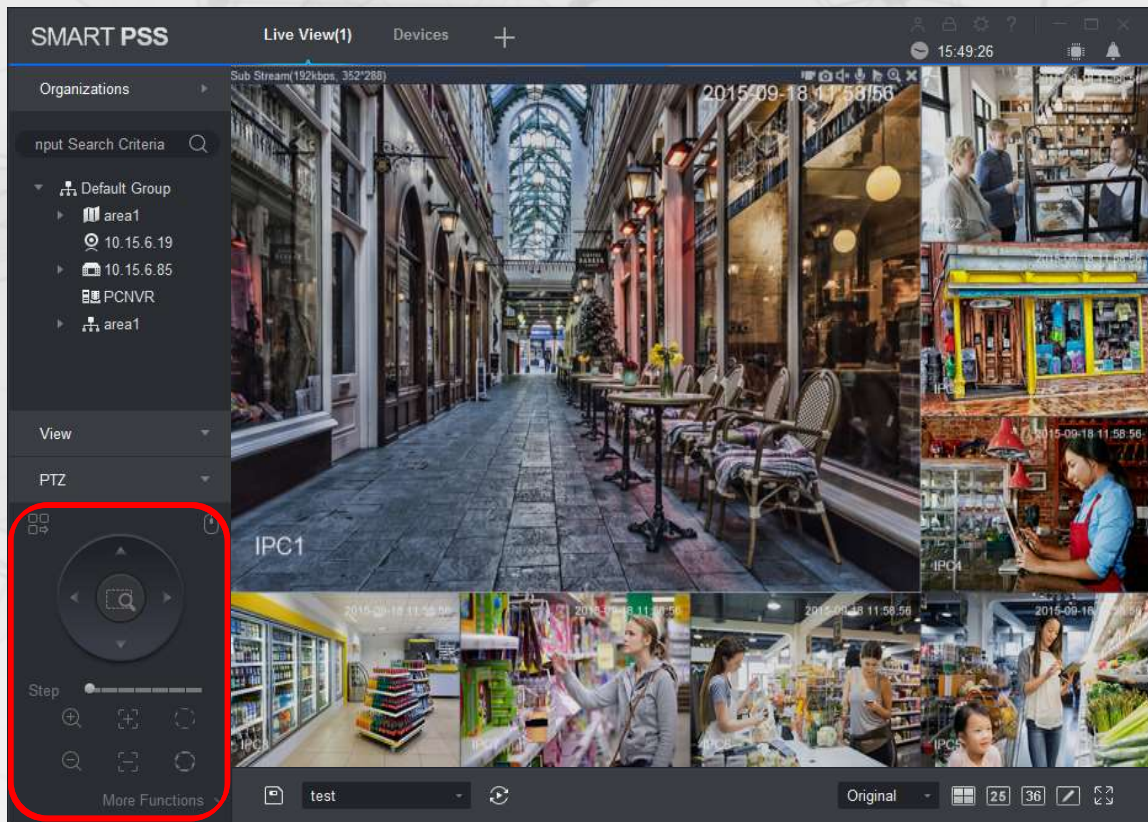
- Custom layouts to fit various monitor scenes
- Adjust videos with different aspect ratios: 4:3, 16:9, full-screen, etc.
- Save custom views for tour & reuse.



WATCH VIDEO



# PTZ Control

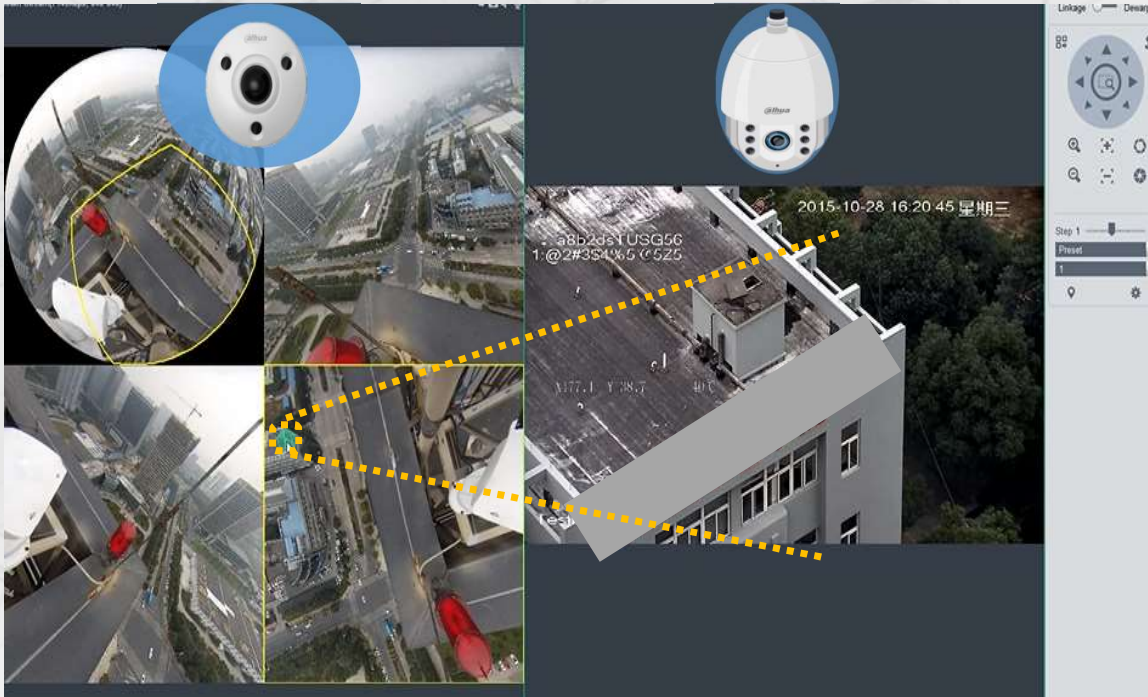


- PTZ camera control
  - Control PTZ with arrow button
  - Zoom in/out
  - Control PTZ with mouse on the preview window
  - Set preset, Tour, etc.



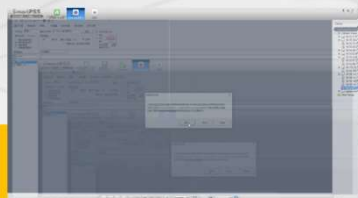
# Smart Track

Link a fish eye and speed dome

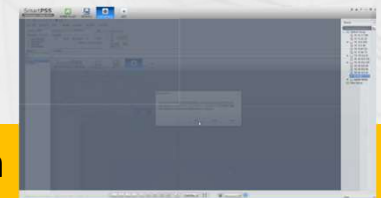


- Link a fish eye and speed dome(s)
  - Overview image of fish eye camera
  - Regional details from speed dome
  - Point and track by manual
  - Precise and fast
  - Simple calibration

Calibration



Operation

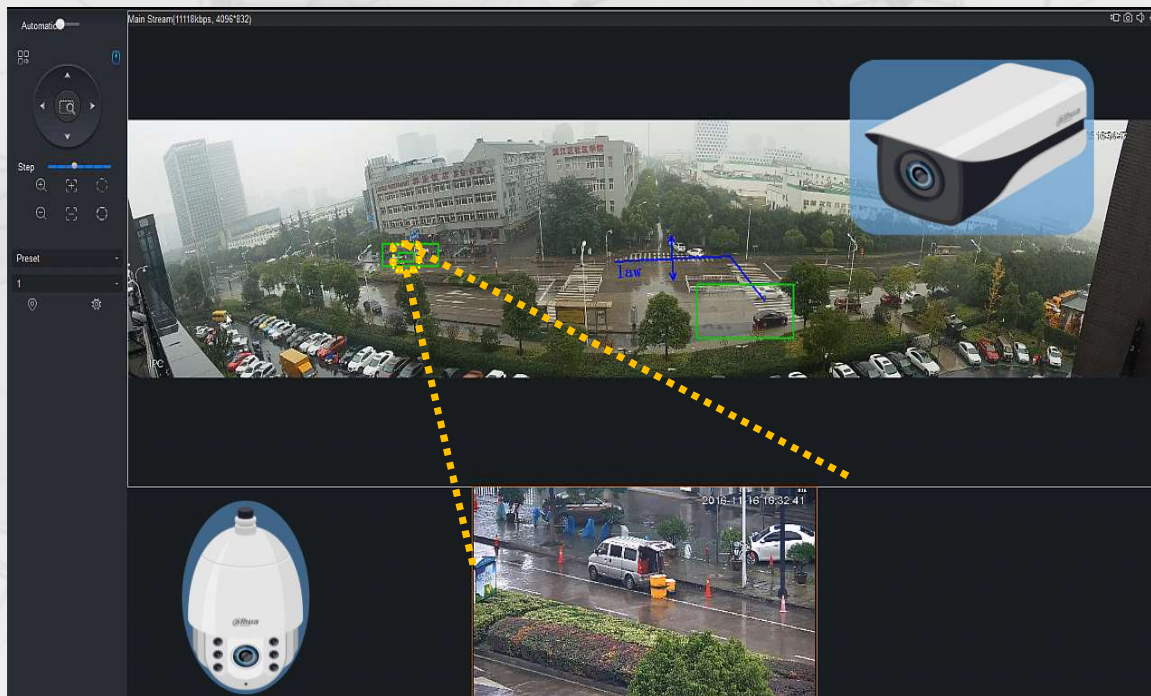




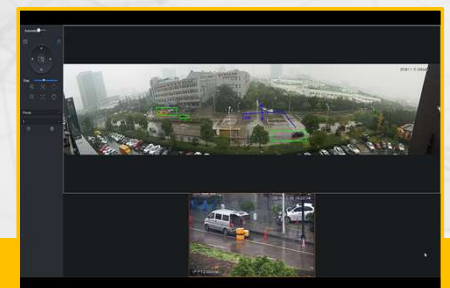


# Smart Track

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

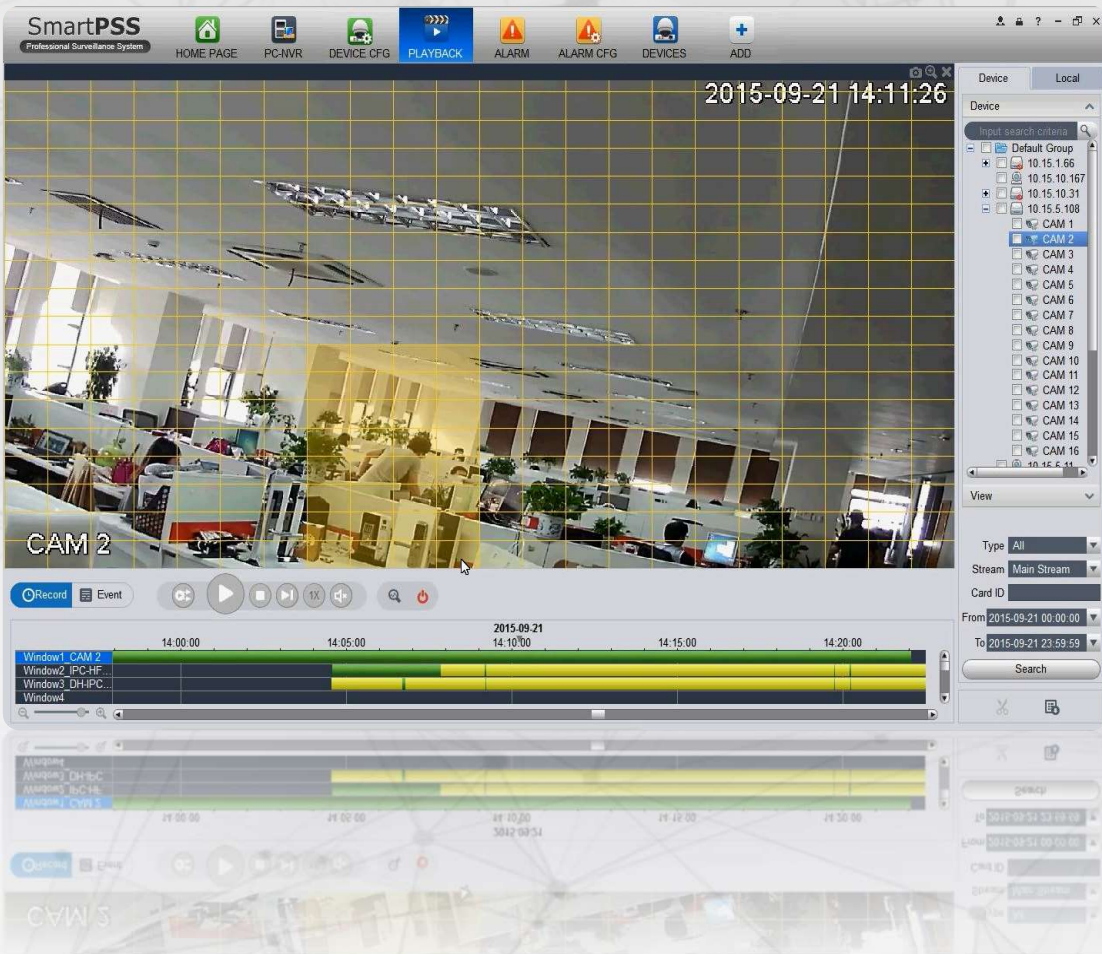
The screenshot displays the SMART PSS playback interface. The top navigation bar includes 'SMART PSS', 'PC-NVR', 'Devices', 'Event Config', and 'Playback'. The main area shows a multi-camera view with two active streams. On the left, a 'Device' panel lists 'NKB1000' and 'pcnvr' with sub-items 'CAM 1' through 'CAM 6'. Below this is a 'View' section with 'Record' and 'Picture' options, 'Record Type' set to 'All', 'Stream Type' set to 'Main Stream', and a 'Time' range from '2016-11-25 00:00:00' to '2016-11-25 23:59:59'. A 'Search' button is at the bottom left. On the right, a file list panel shows a search for 'Card' with results for 'pcnvrCAM 5' at various times. A timeline at the bottom shows the current time '2016-11-25 11:55:16' and playback controls like play, pause, stop, and volume.

- 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



- 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

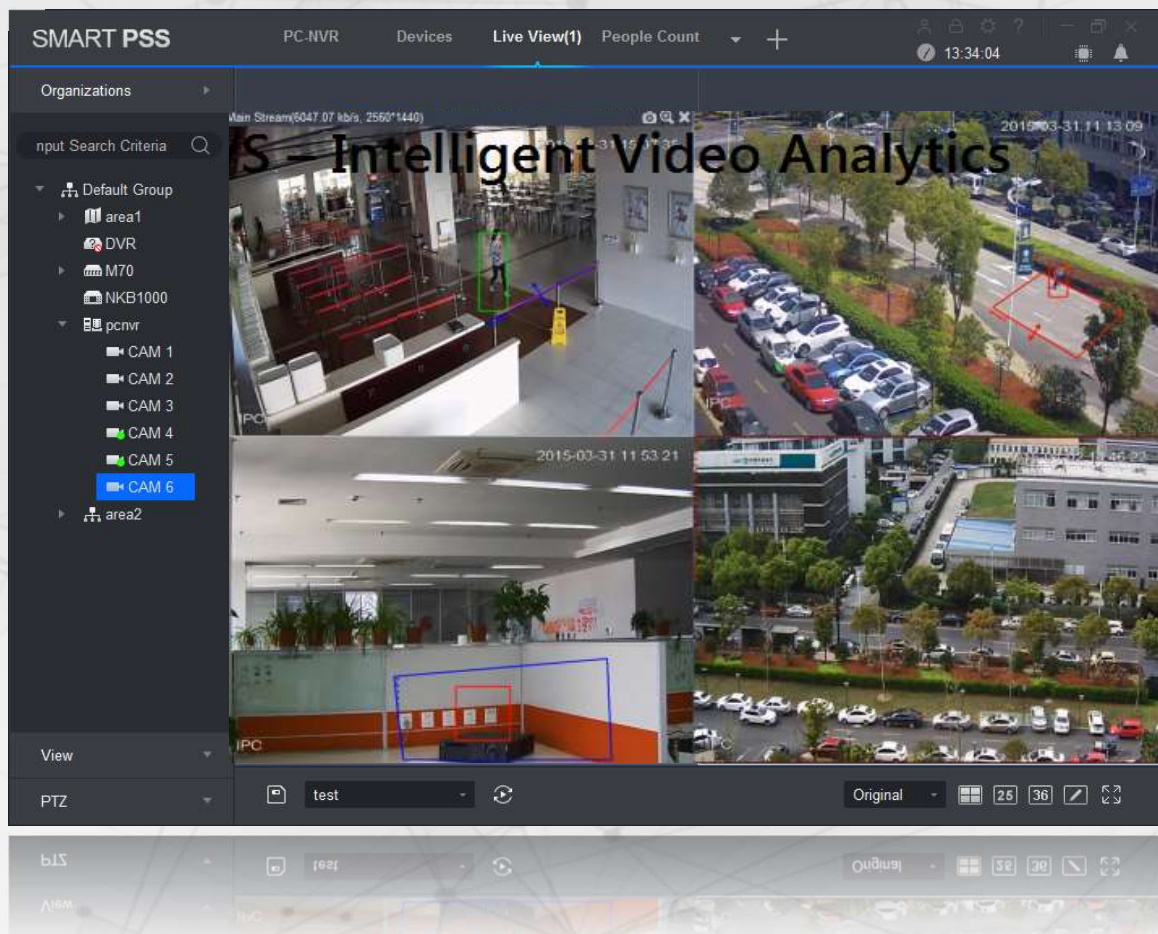


- Support fisheye dewarp of fisheye camera in preview and playback.
- Support three installation modes: ceiling mounted, wall mounted and ground mounted for fisheye Camera.
- Support 8 kinds of dewarping view.

WATCH VIDEO



# IVS – Intelligent Video Analytics



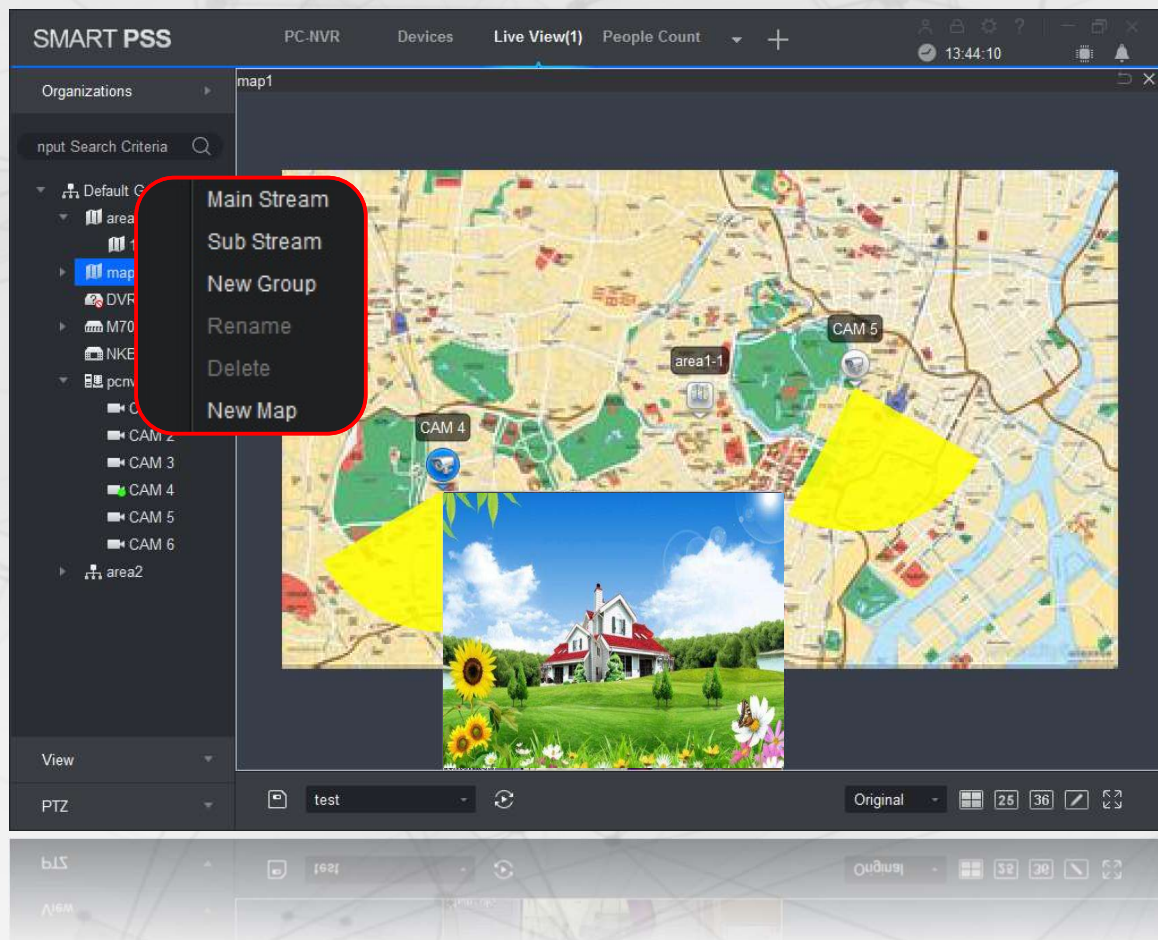
- Interactive configuration of IVS tools : Tripwire, Intrusion, Abandon Detection and Scene Change
- Display real-time IVS event detection

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.

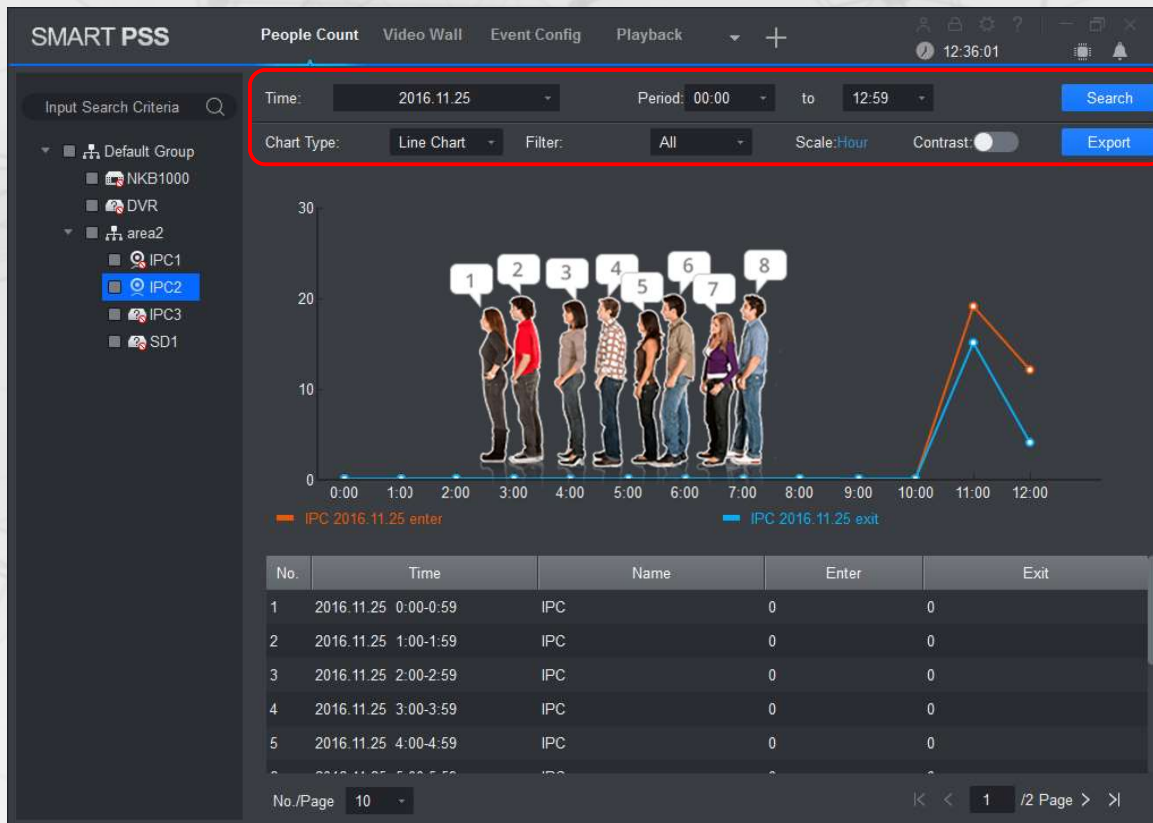
# Video Wall



- Editing of layouts for an additional monitor is performed on the main computer monitor.
- New layout is instantly switched when saved.
- Brand new Video Wall, compatible matrix, decoder, splicing controller
- A variety of open window method
- Playback on the video wall if the device supports
- The window tour, plan tour
- Support NKB1000 control



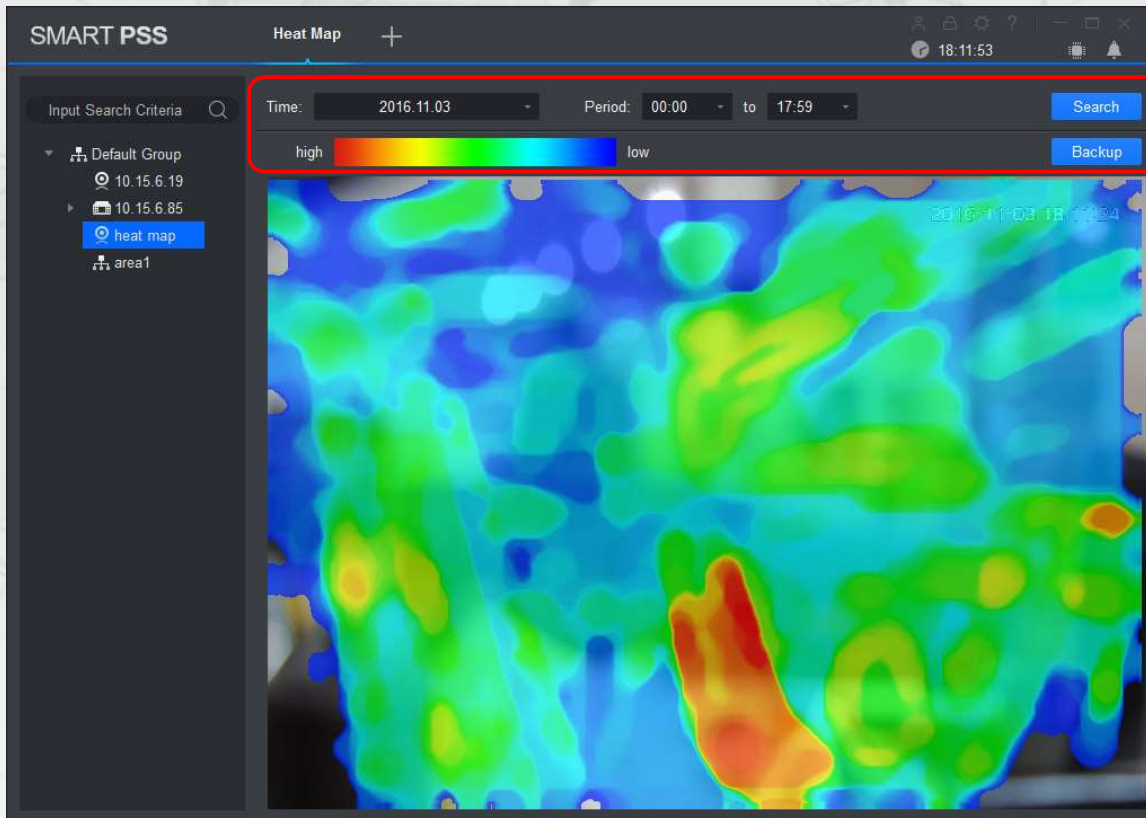
# People Counting



- 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.



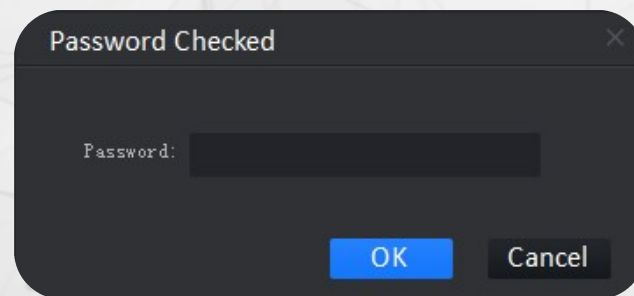
# Heat Map



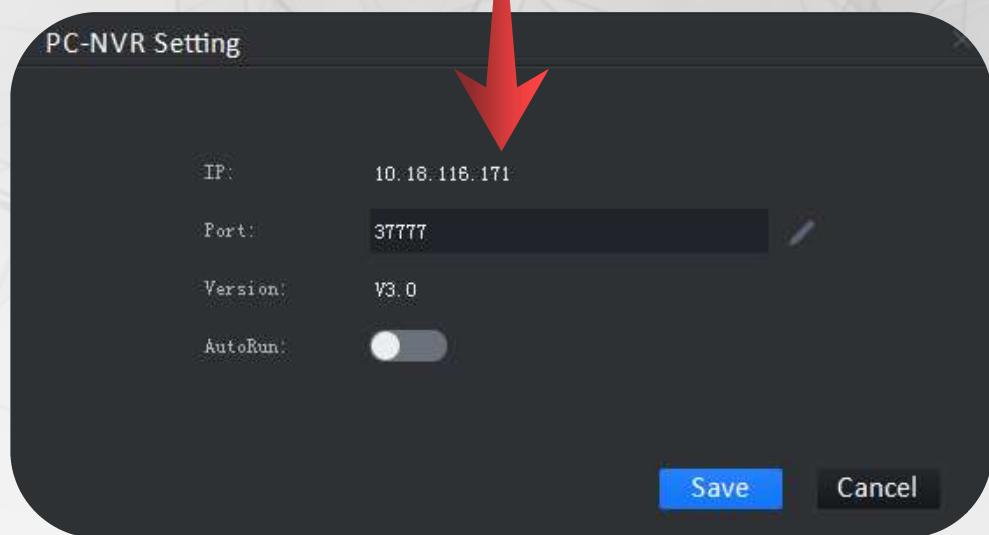
- Show the high or low popularity area
- Support backup & search



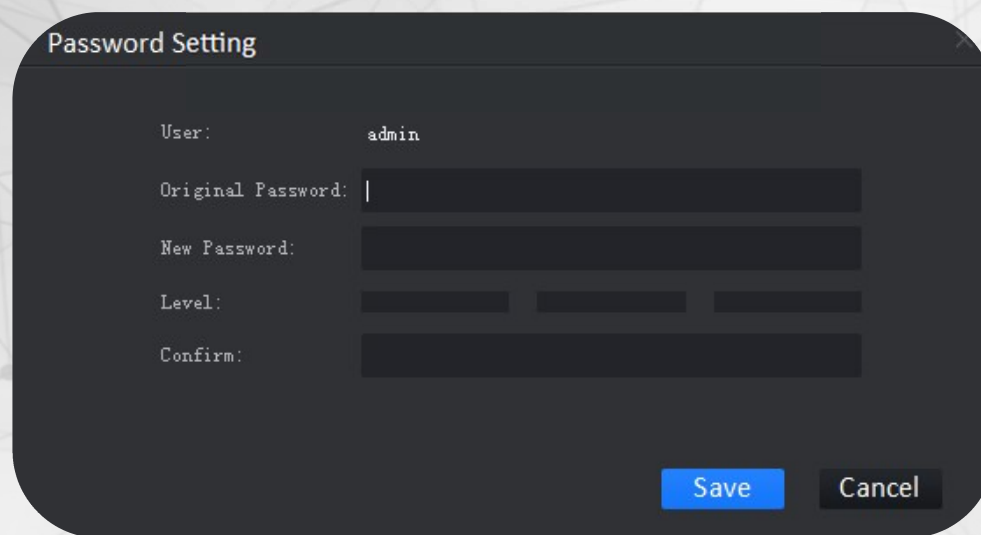
# PC - NVR



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

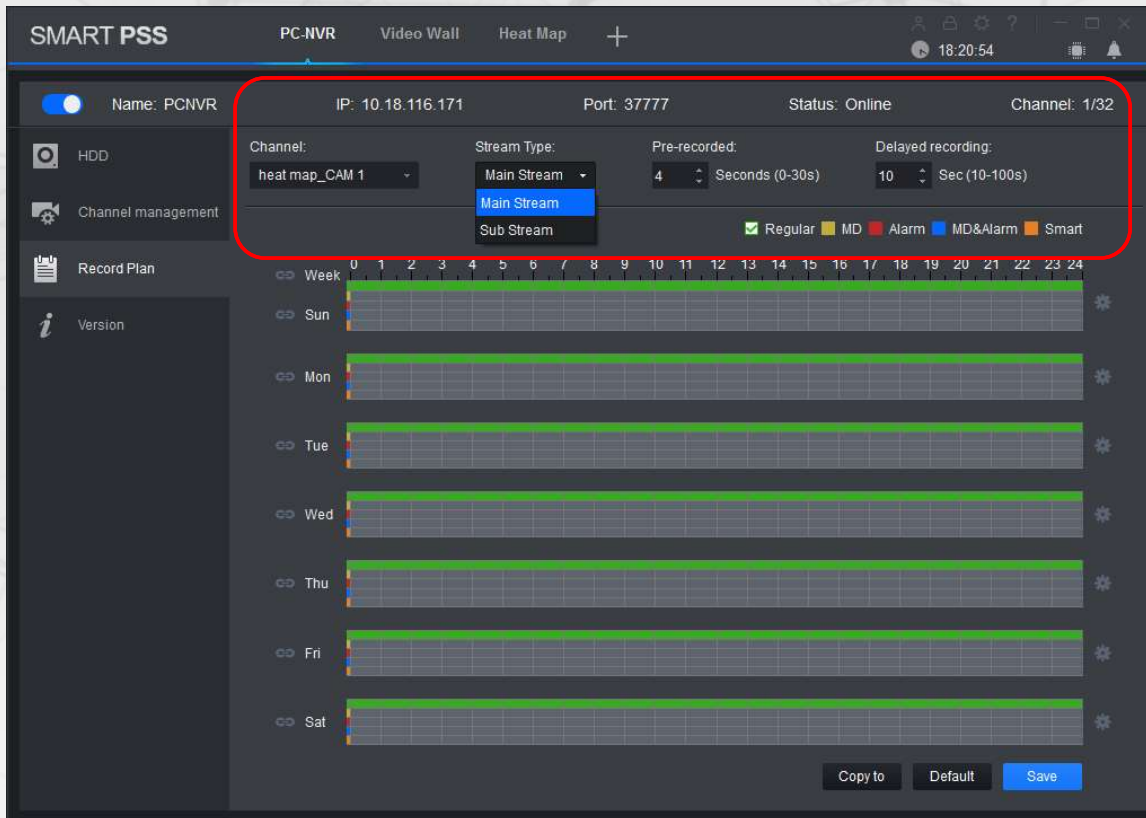


support to modify port



Support to modify admin password

# PC - NVR



SMART PSS PC-NVR Video Wall Heat Map +

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)

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 recording plan
  - ✓ Regular
  - ✓ Motion detect
  - ✓ Alarm
  - ✓ Motion detect & Alarm
  - ✓ Smart
- Set pre-recorded/delayed time

# Access

SMART PSS Access

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

Door 1 Door 2

List View

Event Info All Alarm Abnormal Normal

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

Global Control

Always O... Always Cl...

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

Console

User management

Permission function

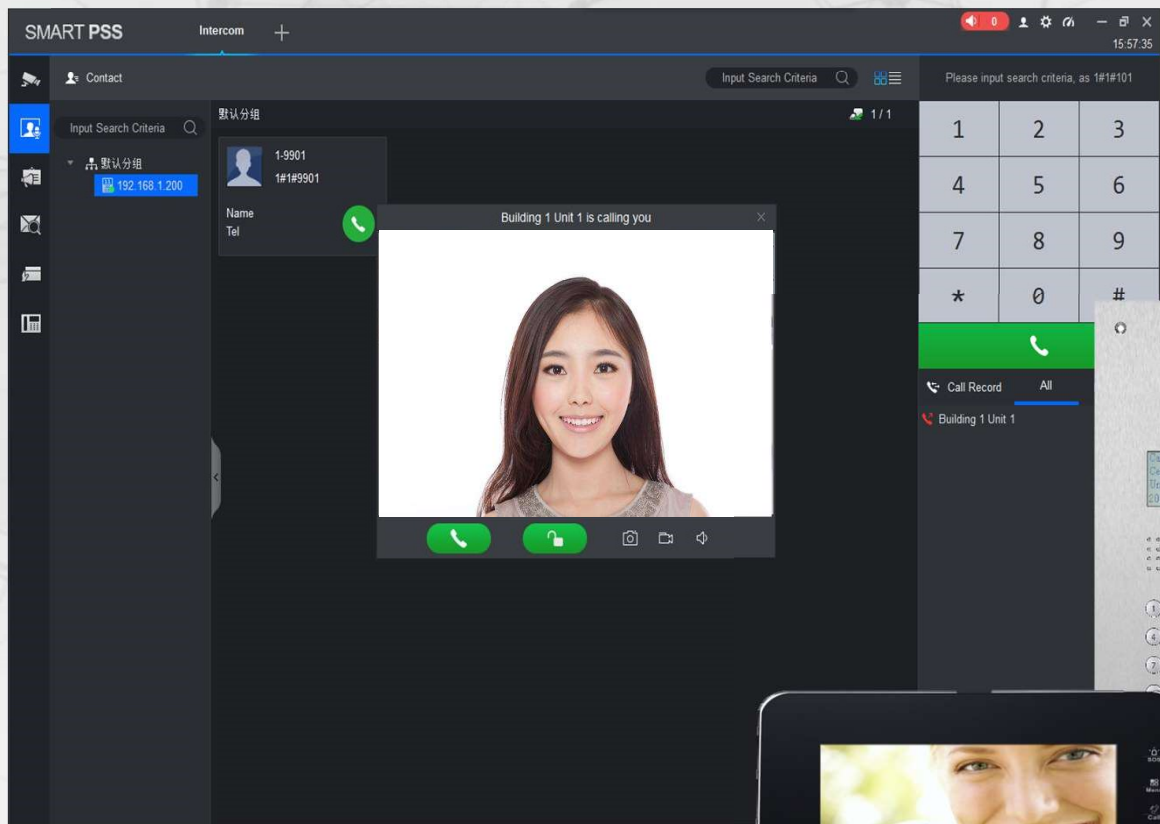
- Door group right
- User right
- First card unlock
- Multi-card unlock
- Anti-pass back
- Inter-door lock
- Remote verification
- Period setup
- Holiday setup

Event CFG

Log



# 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

Input Search Criteria

Please input search criteria, as 1#1#101

1 2 3

4 5 6

7 8 9

\* 0 #

Call Record All Missed

Building 1 Unit 1 Room 9901

Building 1 Unit 1

Criteria 默认分组

组 2 168 1 200

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...

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



# Attendance

## Console

User management

Attendance Setting

- Door group right
- Attendance time zone
- Attendance shift
- Holiday

Shift schedule

## Report

The screenshot shows the SMART PSS Attendance console interface. At the top, there are tabs for 'Devices' and 'Attendance'. A table displays attendance records with columns for Attendance Device Name, Card No., ID, Name, Department, and Time. Below the table, there is a user profile section for 'jack' with a photo, a silhouette, and details including Time, Card No., ID, Name, and Department. A sidebar on the left contains navigation icons for Organization, Search, Default Group, and ASA, which are highlighted with a red box and arrows pointing to the 'User management' and 'Attendance Setting' text on the left.

Attendance Device Name	Card No.	ID	Name	Department	Time
ASA	8 4	32	jack	Department1	2017-11-30 09:45:30
ASA	B 2	30	B1E43B12	Department1	2017-11-30 09:44:34

Details for user 'jack':

- Time: 2017-11-30 09:45:30
- Card No.: 8 4
- ID: 32
- Name: jack
- Department: Department1

## Attendance Rule

The screenshot shows the SMART PSS Attendance Rule configuration window. It features a sidebar with 'Add' and 'Delete' buttons, and a main area with the following settings:

- Timezone Name: night
- Type: FixAtten
- Work Time: 20:00 - 06:00 (Across a day)
- Record as: 1
- Workday
- Start Sign In Time: 19:00, End Sign In Time: 21:00, Must Sign In: checked
- Start Sign Out Time: 05:00, End Sign Out Time: 07:00, Must Sign Out: checked
- Late sign in within 5 minutes is permitted. Late sign in over 120 minutes is recorded...
- Early leave within 5 minutes is permitted. Early sign out over 120 minutes is recorded...
- The sign out time 60 minutes later than off duty time is... Work time: 1st Day (selected), 2nd Day

## Shift schedule

The screenshot shows the SMART PSS Shift schedule interface. It includes a sidebar with a user list and a main calendar view for December 2017. The calendar shows shifts for users 30, 31, and 32. User 30 is assigned 'normal' shifts, user 31 is assigned 'normal' and 'night' shifts, and user 32 is assigned 'H' (holiday) shifts. A yellow box highlights the bottom toolbar containing a settings gear icon and three user icons.

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



## Attendance Report :

- ✓ Statistics
- ✓ Detail
- ✓ Overtime
- ✓ Exception
- ✓ Break out
- ✓ Leave



SMART PSS      Devices    Attendance    +      09:48:44

Time: 2017/11/30-2017/11/30    Personnel/Name:    Department: All    Search    Backup

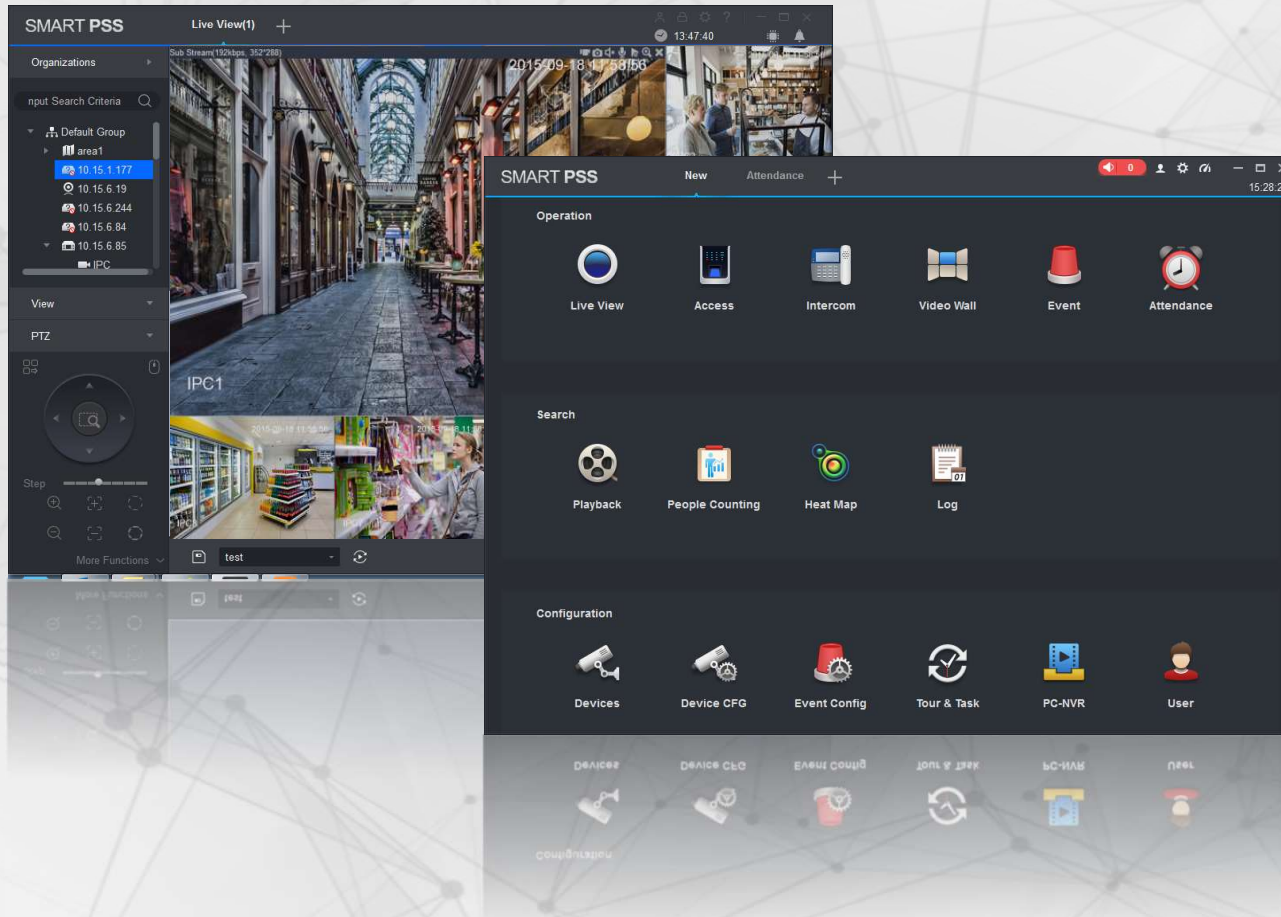
Exception: All    Extract

Statistics    Detail    OverTime    Exception    Break Out    Leave

Date	Name	User ID	Department	Sign In	Sign Out	Type	Operation
2017-11-30	B1E43B12	30	Department1	09:44	Not Sign out	Absent	
2017-11-30	947F4E04	31	Department1	Not Sign in	Not Sign out	Absent	

No./Page 20

No./Page 20



▶ 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
<b>Live Preview</b>	Display Resolution	up to 4000 x 3000
	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