

# **IPAS Analytics 3.0**

## **Guidebook**

**2019-5-20**

## Content

IPAS 3.0 Product Introduction.....	4
Cloud Server Deployment.....	5
Configuration Steps Map.....	7
Step 1: Login IPAS Analytics 3.0.....	8
1. Login Page.....	8
2. Home-Dashboard.....	9
Step 2: Add Company & Users.....	10
1. Add Company:.....	10
2. Add User.....	12
3. Add A New Role.....	13
4. Authorize Role:.....	14
5. Add a new User.....	15
Step 3: Login IPAS with New Account.....	17
Step 4: Add a new Line.....	19
1. Create a new line without stops.....	20
2. Import Station File.....	21
3. About Station File.....	22
Step 5: Register Devices.....	24
1. Affiliate Bus:.....	26
2. Enrich Bus Info.....	27
Step 6: Success.....	29
IPAS 3.0 Function Pages Guide:.....	29
A. Checking Real-time Data.....	30
1. Map Tracking.....	30
2. Live Stops.....	32
3. Device Status.....	33
B. Records.....	35
1. Record Query.....	35
2. Alarm Query (Coming).....	36
3. Alarm Static.....	37
C. Analytic.....	39

Remote Control.....	47
1. Device Upgrade.....	47
2. Stops Update.....	49

## IPAS 3.0 Product Introduction

IPAS 3.0 system is our latest platform to analysis bus passenger traffic based on station recognition. It also offers the very powerful tool to manage passenger counters online in office.

### Powerful

- ❖ Support 1,000buses in a standard dedicated cloud server. Save great cost on it.
- ❖ Mature user access management for safety.
- ❖ Only need 1/10 labour to control all bus fleets
- ❖ Online GPS tracking with passenger data in the map
- ❖ Live route tracking with passenger data in station list.
- ❖ Realtime device status checking to monitor every details of counter.
- ❖ Remote upgrading firmware without waiting bus stop running.
- ❖ One-click to download all history records in the counter.
- ❖ Easily shift buses into new lines for better income.
- ❖ Rich alarm alerts and analysis
- ❖ H5 for mobile phone and computer anywhere
- ❖ Share next bus arriving data to passengers to help attract more ticket income
- ❖ Remote configure counter(coming)


### Automatically

Same as a moving transformer, the system has many unique designs to save users amazing days on use of such system, for example, automatically upload counting records and summary, collect station GPS data, online modify station position and name for all lines, online update new station list , into counters in running buses. The running buses has made many big changes even it never stop.

### Customization

- ❖ Fast translation for any other languages
- ❖ DIY your interface UI with your own brand and title and color
- ❖ Open database visit for your own platform
- ❖ Others

**Remarks:**

- ❖ Please use chrome browser for best experience 
- ❖ Google map API for payment if there are many buses
- ❖ Please change password after new account is signed at the first time. Password should be well remembered in papers.

**Cloud Server Deployment**

Hardware Requirement	
OS	Windows Server 2008, 2012,
CPU	> 2.33GHz, 64bits
Network	>5Mbs (External), 10/100Mbs network adaptor
RAM	4G/8GB
Storage	<100buses, 120GB; >1000buses, 1TB

Software Requirement	
Database	Mysql 5.7
Remote	RDP, Teamviewer
IPAS Copy	IPAS 3.0
Ports Open:	80, 8900, 5005 (Both TCP-UDP)
Fixed Public IP:	Required
Domain:	Supported DNS server

### Disclaimer

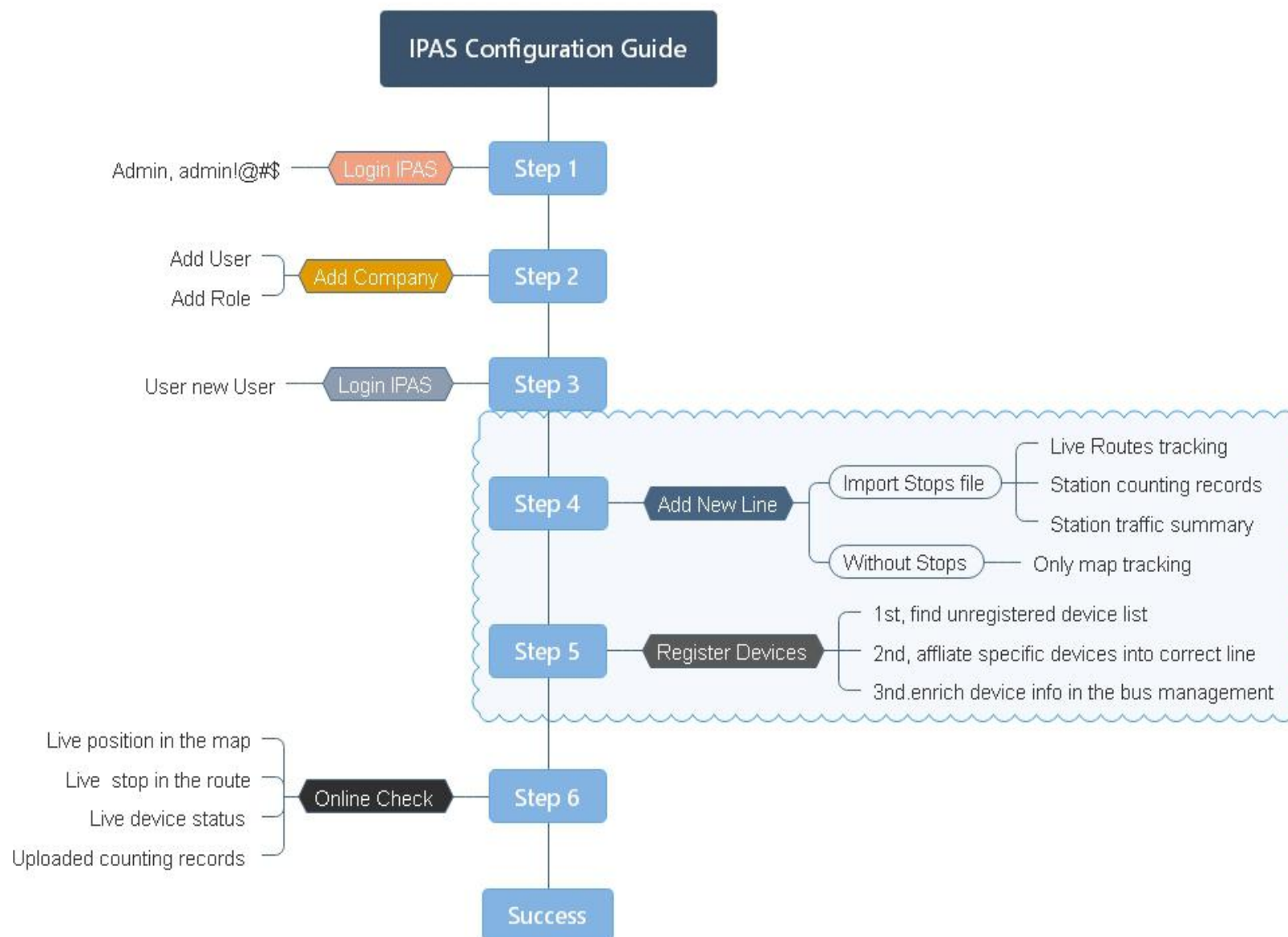
The content in this manual may be different from the software version in your computers. If you are unable to resolve a problem while the system installation or operation, please contact our technical support team or your supplier. The contents of this manual will be updated all the time when the software is upgrading. We reserve all rights to fail to give notification for changes.

The company does not assume any responsibility or any liability, loss or risk, direct or indirect outcome from the use or application of any of the contents of this document arising from any inaccuracies or omissions in this document.

This manual may contain screen shots used in day-to-day operations, the reporting, person and company names may be fictitious. Any similarity in the name and address of the company or an individual in reality is purely coincidental.

Any deleted data may hardly recover, so please carefully delete your account, buses, lines and companies. The company not promise any recovered service for free. Users should well backup all your data before you make new changes or system operation.

## Configuration Steps Map



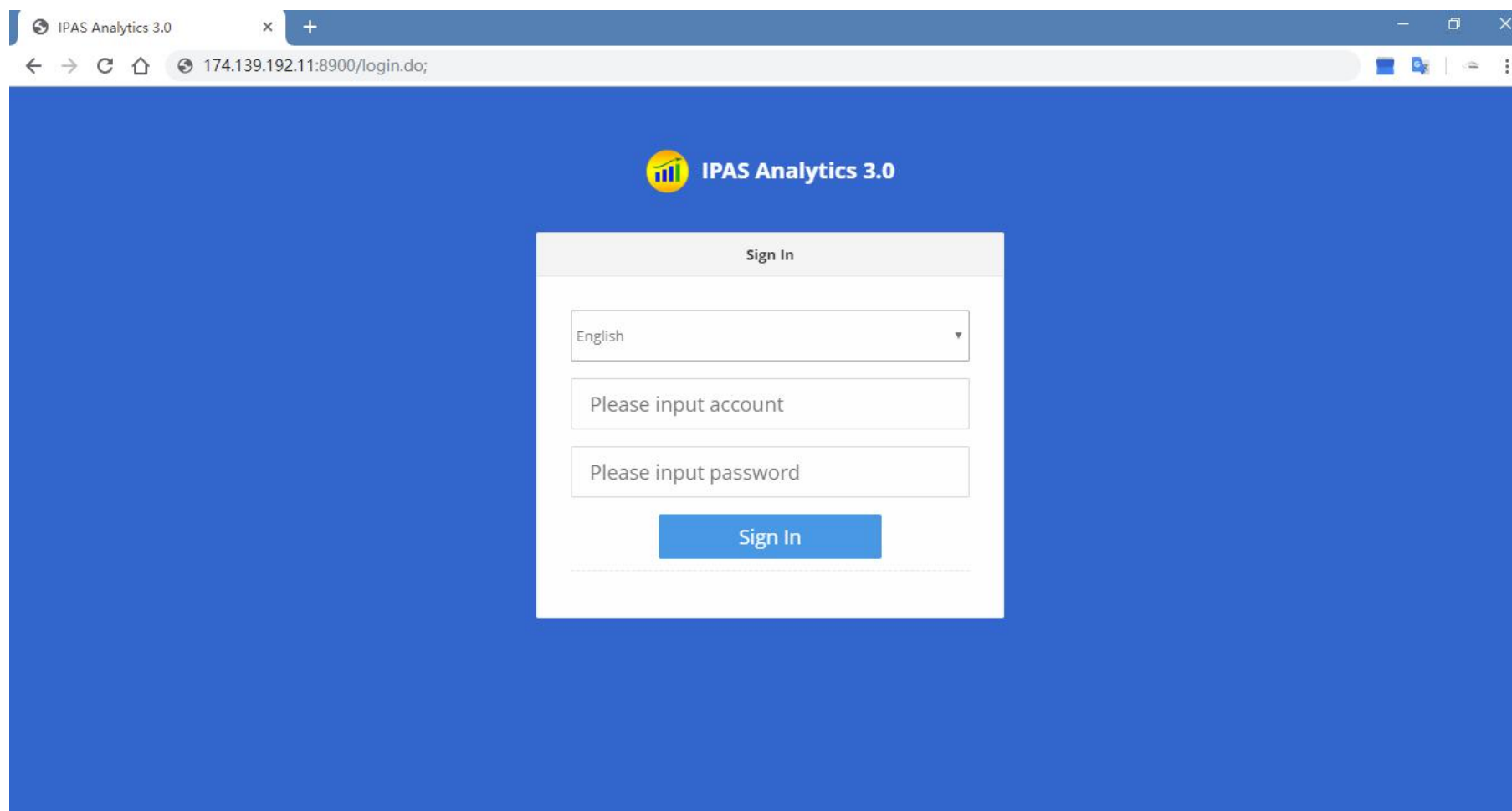
## Step 1: Login IPAS Analytics 3.0

### 1. Login Page

User can choose correct language to visit.

After your new server is installed well. You can login with [localhost:8900](http://localhost:8900)

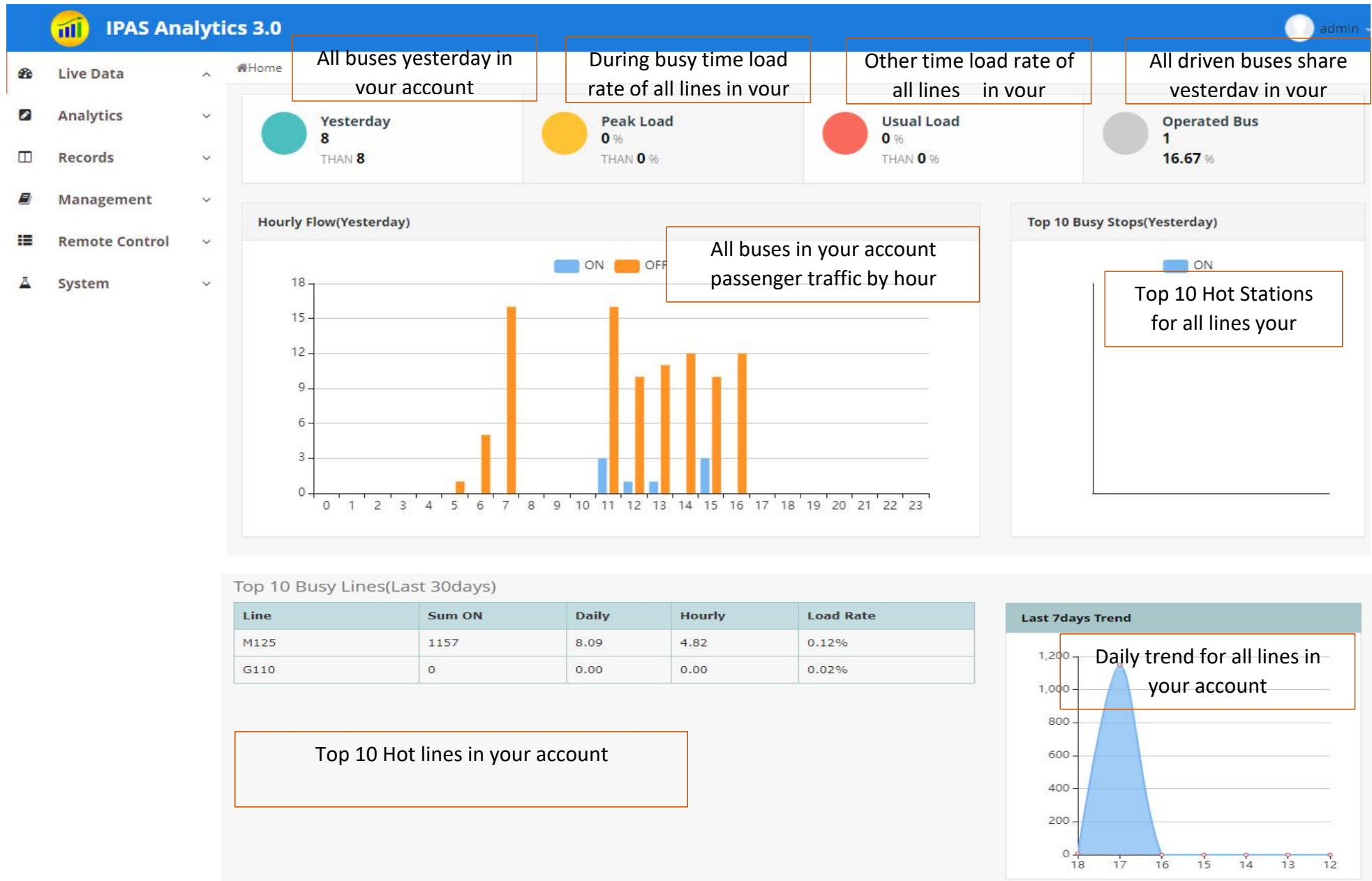
Default user: [admin](#), password: [admin!@#\\$](#). Other new created passwords are [123456](#). Password can not restored, but can be modified by [administrators](#).





## 2. Home-Dashboard.

You can learn important summary history traffic easily.



## Step 2: Add Company & Users

### 1. Add Company:

Register a new company account.

**IPAS Analytics 3.0** admin

Home / System / Company

Company Search

+ Add Modify

	Company	City	Contact	Telephone	Line Qty	Bus Qty	Created
<input type="checkbox"/>	Giovany	unknow	Giovany		10	10	2019-05-14 10:00:15
<input type="checkbox"/>	Watchdog	Shenzhen	Mike		10	10	2019-05-13 18:36:45

showing 1-2 of 2 items

First Previous 1 Next Last

javascript:void(0)

Remarks:

- ❖ Register company info. All fields had better to fill.
- ❖ Line qty and bus qty is for counting some data.
- ❖ Contact person will not be login account.

X

Company	Required
City	
Contact	
Telephone	
Line Qty	Required
Bus Qty	Required

Close

Save

## 2. Add User

Before you create a new account for this new company, you should add a new role with different access far from administrator, if you have same roles, you can directly choose existed one.

**Roles Management:** Find correct level account with different demands

IPAS Analytics 3.0

admin

Home / System / Roles

Role Search

+ Add Authorize

<input type="checkbox"/>	Role	Key	Status	Remarks
<input type="checkbox"/>	Administrator	admin	0	Administrator

showing 1-1 of 1 items

First Previous 1 Next Last

### 3. Add A New Role

X

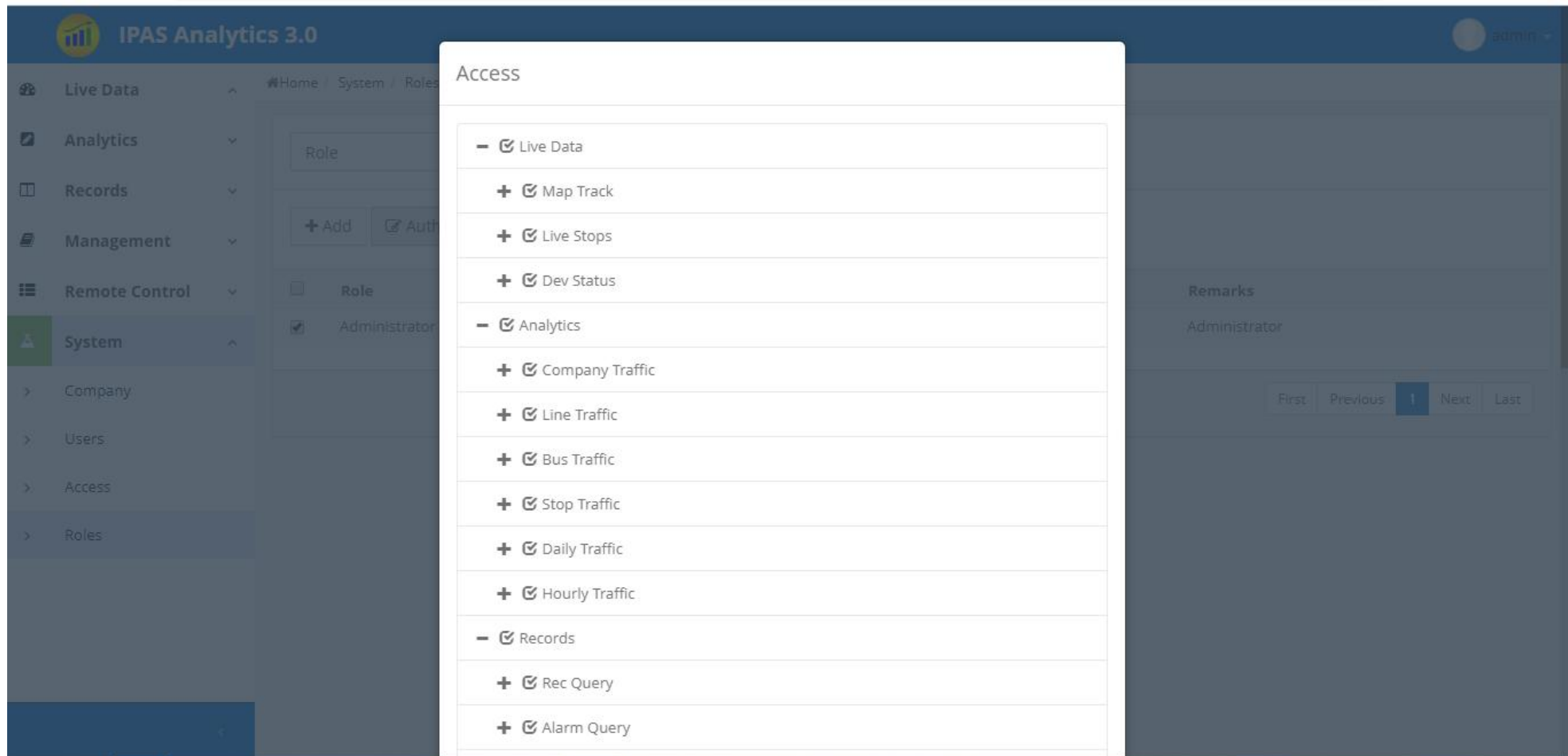
Role	Required
Key	Required
Status	Valid ▼
Remarks	

Close

Save

#### 4. Authorize Role:

Control this type of users with specific access control for specific functions and pages.



## 5. Add a new User.

IPAS Analytics 3.0

admin

Home /

Full Name Search

+ Add Modify

	Full Name	Account	Created	Role	Remarks
<input type="checkbox"/>	giovany	giovany	2019-05-14 10:02:32	Administrator	
<input type="checkbox"/>	demobus	demobus	2019-05-13 18:37:14	Administrator	
<input type="checkbox"/>	admin	admin	2016-10-21 07:56:13	Administrator	des

showing 1-3 of 3 items

First Previous 1 Next Last

**Remarks**

- Default password for new account: 123456.
- Role must be chosen.
- Company must be chosen too.

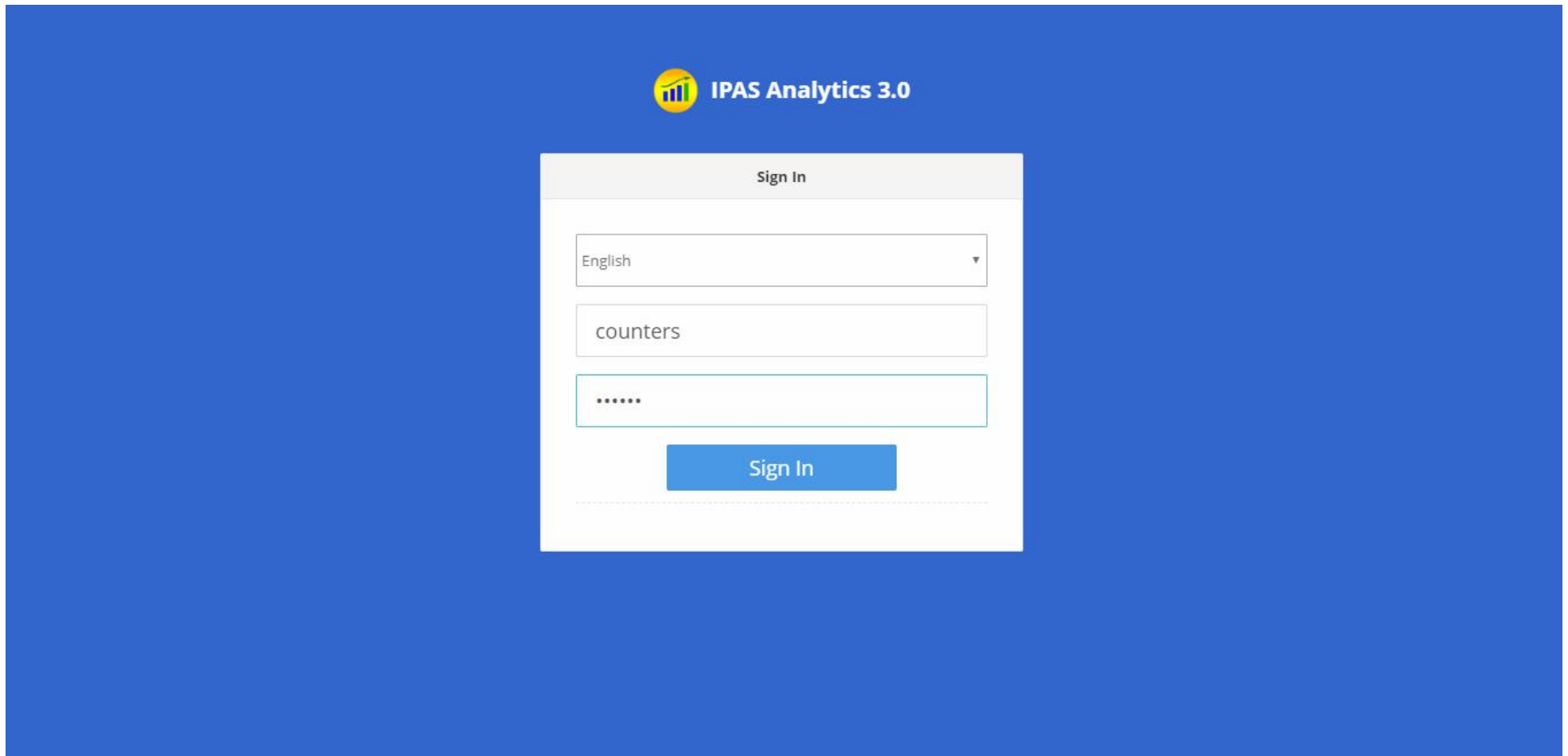
Full Name	Required
Account	Required
Password	..... Default password is 123456
Role	
Status	Enable
Company	Giovany
Remarks	

Close

Save

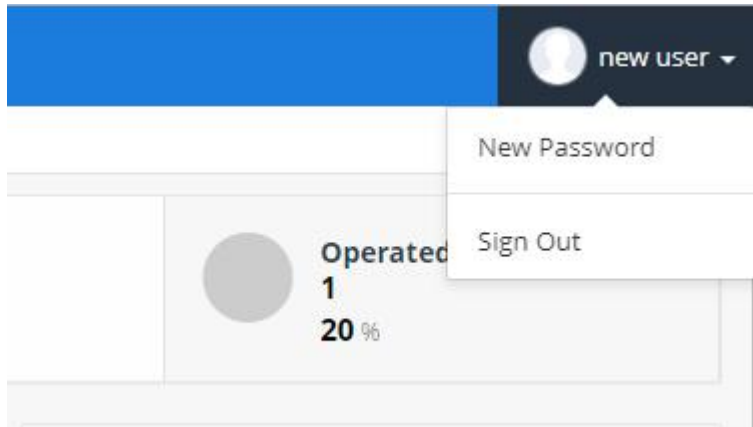


## Step 3: Login IPAS with New Account



The image shows the IPAS Analytics 3.0 Sign In screen. The background is a solid blue color. At the top center, there is a yellow circular icon with a blue bar chart, followed by the text "IPAS Analytics 3.0". Below this, centered on the screen, is a white rectangular box with a light gray border. The box has a title bar at the top that says "Sign In". Inside the box, there are three input fields: a dropdown menu with "English" selected, a text field with "counters" entered, and a password field with six dots. Below these fields is a blue button with the text "Sign In". At the bottom of the box, there is a dashed line and a small, faint link that says "Forgot your password?".

## Modify Password:



## Click New Password:

Modify

×

New Password

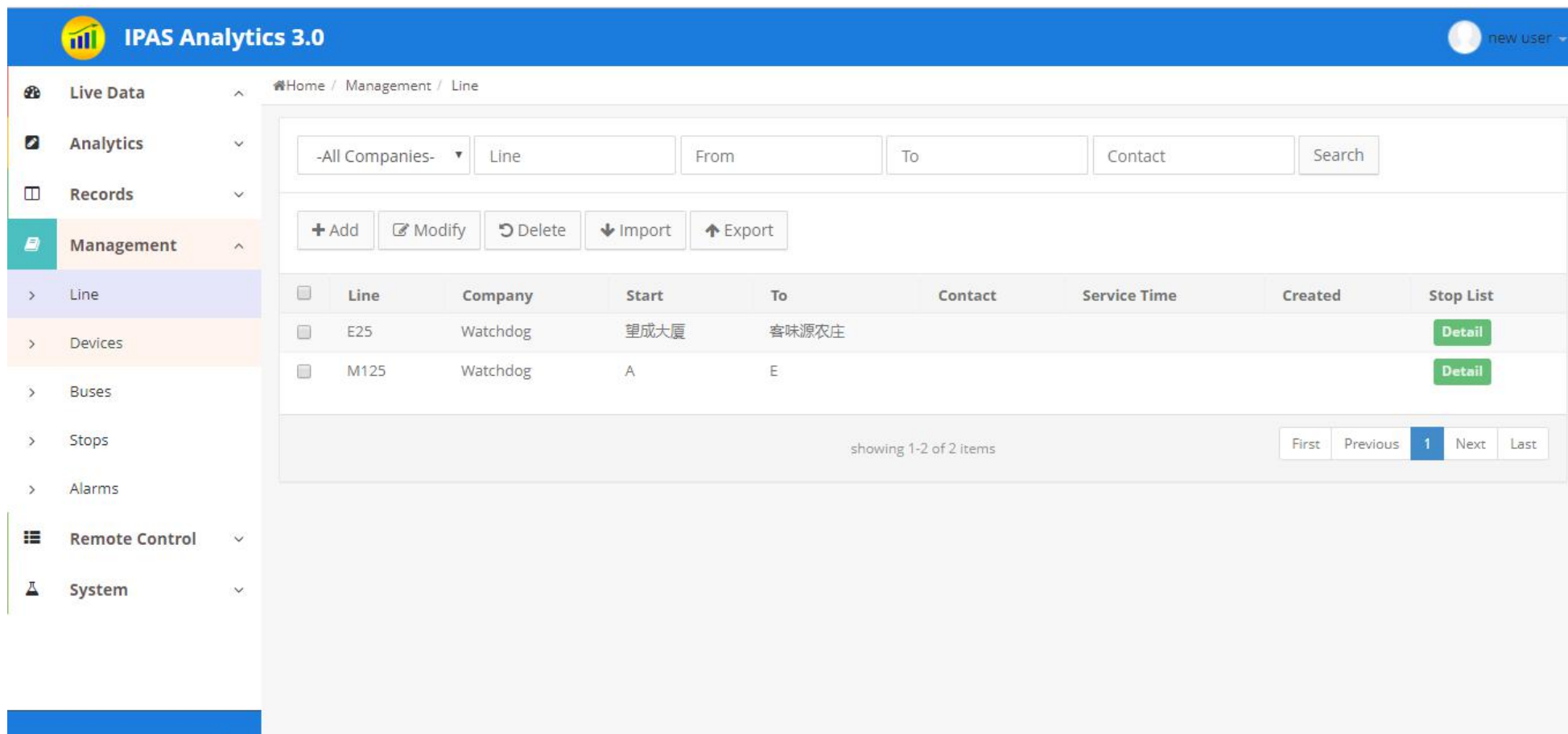
Confirm

Close

Save

## Step 4: Add a new Line

Add line is the top important to register counters to be buses in our IPAS3.0 system. It will collect both line info, route, stops and orders and other information. Bus line including all important information for bus company and passengers. Users had better to fill all information.



IPAS Analytics 3.0

new user

Home / Management / Line

-All Companies- Line From To Contact Search

+ Add Modify Delete Import Export

	Line	Company	Start	To	Contact	Service Time	Created	Stop List
<input type="checkbox"/>	E25	Watchdog	望成大厦	客味源农庄				<a href="#">Detail</a>
<input type="checkbox"/>	M125	Watchdog	A	E				<a href="#">Detail</a>

showing 1-2 of 2 items

First Previous 1 Next Last

1. Create a new line without stops

×

Line

Required

Company

Watchdog

Start

1<sup>st</sup> Departing Station in UP direction

End

Destination Station in UP direction

Charger

Contact Person

Trip Time(Min)

1 Round Trip Time: from 1<sup>st</sup> station return the same station

Trip Mileage(KM)

Required 1 Round Trip Km

Headway(Min)

Required Two bus departing interval time

Running(Range)

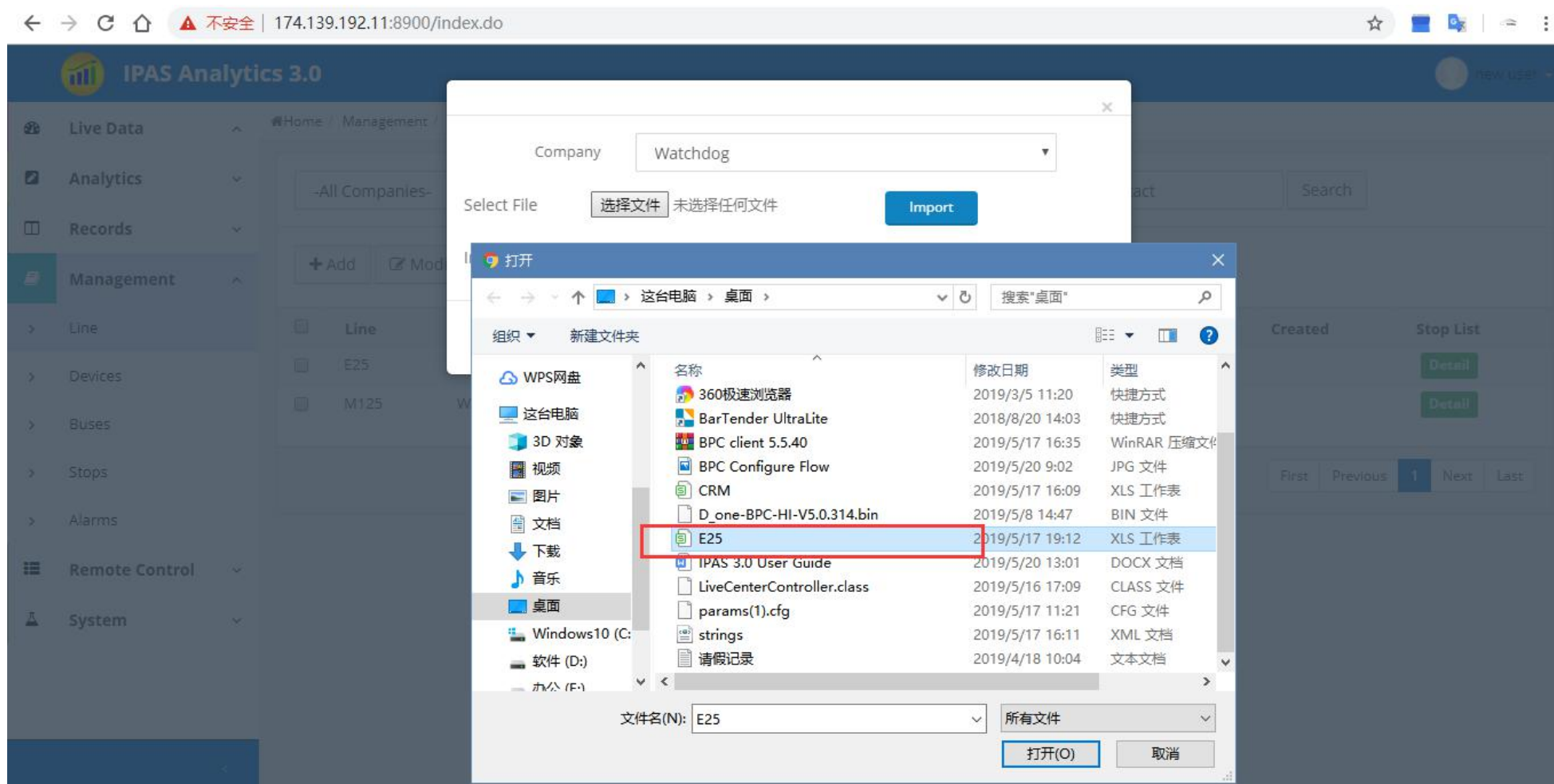
eg: 05:00-22:00 Daily Service Time

Close

Save

## 2. Import Station File.

This is the most important step to use IPAS 3.0 system with advanced analysis on stations. Otherwise you can not use some functions relative stations.



### 3. About Station File

#### Remarks: Sample File Content of Station File

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Route Name	Stop Name	Station ID	Order	Direction	Type	Long	Lat	Azimuth	LimitSpeed	Distance	SoundIn	SoundOut	
2	M125	A	3000	1	1	1	114.033	22.67994	100	50	60			
3	M125	B	3001	2	1	3	114.0295	22.67517	100	50	60			
4	M125	C	3002	3	1	3	114.026	22.67263	100	50	60			
5	M125	D	3003	4	1	3	114.0219	22.66954	100	50	60			
6	M125	E	3004	5	1	3	114.0188	22.66721	100	50	60			
7	M125	E	3041	1	2	3	114.0188	22.66721	100	50	60			
8	M125	D	3042	2	2	3	114.0219	22.66954	100	50	60			
9	M125	C	3043	3	2	3	114.026	22.67263	100	50	60			
10	M125	B	3044	4	2	3	114.0295	22.67517	100	50	60			
11	M125	A	3045	5	2	2	114.033	22.67994	100	50	60			
12														
13														

#### Station File Editing Rules:

1. Format: xls

2. File Name: must be Line name. It can be letter+numbers.

3. Station Orders: UP: Departing Stop (Order=1, Type=1) to Destination Stop (Order=N, Type=2),  
Down: Departing Stop (Order=1, Type=1) to Destination Stop (Order=N, Type=2)  
Other stops type=3.

Remark: The final stop of UP list, will be same location as the 1st stop of DOWN list. But 1st Stop of DOWN list, its order must be 1. Then stop by stop in order.

4. Running Direction: UP:1, DOWN:2.

5. Station ID: **Must be unique. The same station name A in direction down, should use different station id.**

Station Name: **Must be unique.** Some hot stations can use Coffee 1, Coffee2, Coffee 3.

6. GPS info: GPS location info can be collected online by IPAS. However, the bus must be parked every station only, and open and close the door, no matter has passengers or not.

7. Azimuth: It must be written well to judge running direction. The difference of azimuth usually is  $180^{\circ}$  between UP and DOWN stations, if their station name is same. It also can be get from IPAS.
8. Limit Speed: Speed limited along the road. It can be different according to different roads.
9. Distance: not available now.
10. Soundin and Soundout: When bus arriving station or leaving station, it can broadcast station info with other TTS device. Here can be null.
11. This file is to edit only. Never delete any column.
12. This station file can be imported into IPAS and BPC at the same time. IPAS can update device station info remotely.
13. People counter must upgrade special firmware V5.0.300, or above version to enable this feature.

## Station list

After importing station file, you can see the grid about the station list.

X

Up	Station	Down	Station
1	A	5	A
2	B	4	B
3	C	3	C
4	D	2	D
5	E	1	E

## Step 5: Register Devices

IPAS 2.0/3.0 offers the very convenient way to register counters into IPAS easily. Never remember IP or bus plates or lines relationships in your notebook, and spend a month to collect such information and have to install people counter slowly one by one. Now you can fast register it during counter installation with 1min, then the platform can receive the counter line and bus plate information. It also can collect counter firmware version, cameras ID and other useful information. Now with IPAS 3.0, you can quickly add over 1000buses within 1hour. It is impossible in other system.

**IPAS Analytics 3.0** admin

Home / Management / Devices

Line Bus Search

Affiliate

Line	Bus	MAC	SIM NO	Version	CH1	CH2
E1	Test4	78-a7-bd-b3-46-02	15920041149	D_one-BPC-HI-V5.0.157.bin	1.0-0012	1.0-0012
E1	Test13	48-30-a9-79-02-de	15920041158	D_one-BPC-HI-V5.0.157.bin	1.0-0048	1.0-0048
E1	Test19	82-4c-92-ae-e9-57	15920041164	D_one-BPC-HI-V5.0.157.bin	1.0-0072	1.0-0072
E1	Test18	56-cd-fb-1d-ed-9b	15920041163	D_one-BPC-HI-V5.0.157.bin	1.0-0068	1.0-0068
E1	Test14	84-b0-40-fa-0d-9a	15920041159	D_one-BPC-HI-V5.0.157.bin	1.0-0052	1.0-0052
E1	Test17	19-4e-44-9c-f1-df	15920041162	D_one-BPC-HI-V5.0.157.bin	1.0-0064	1.0-0064
E1	Test3	4c-17-06-22-4a-46	15920041148	D_one-BPC-HI-V5.0.157.bin	1.0-0008	1.0-0008
E1	Test8	4a-a4-58-d6-26-02	15920041153	D_one-BPC-HI-V5.0.157.bin	1.0-0028	1.0-0028
E1	Test11	ef-32-5c-68-1a-46	15920041156	D_one-BPC-HI-V5.0.157.bin	1.0-0040	1.0-0040
E1	Test6	d1-a5-0a-c4-3e-8a	15920041151	D_one-BPC-HI-V5.0.157.bin	1.0-0020	1.0-0020
E1	Test12	1b-b1-f3-f9-16-02	15920041157	D_one-BPC-HI-V5.0.157.bin	1.0-0044	1.0-0044



**People Counter Connected:** Before you can see the device mac in IPAS.

BPC Network

Parameter Setting

Network Setting | Device Param Setting | CH Param Setting | System Status

Server Network

Device Network Set

IP: 192 . 168 . 1 . 253

SubNet Mask: 255 . 255 . 255 . 0

Gateway: 192 . 168 . 1 . 1

Port: 9011

Bus number: BMK980

Line number: E36

Sim number: 1231515

Server Network Set

Server IP: 174 . 139 . 192 . 11

Domain name:

Server Port: 5005

DNS:

NTP Server IP:

Computer Network

描述	Realtek PCIe GbE Family Controller
物理地址	70-54-D2-5E-EC-87
已启用 DHCP	否
IPv4 地址	192.168.1.111
IPv4 子网掩码	255.255.255.0
IPv4 默认网关	192.168.1.1
IPv4 DNS 服务器	192.168.1.1
IPv4 WINS 服务器	
已启用 NetBIOS over Tc...	是
IPv6 地址	240c:fd5c:4:4b00::1

## 1. Affiliate Bus:

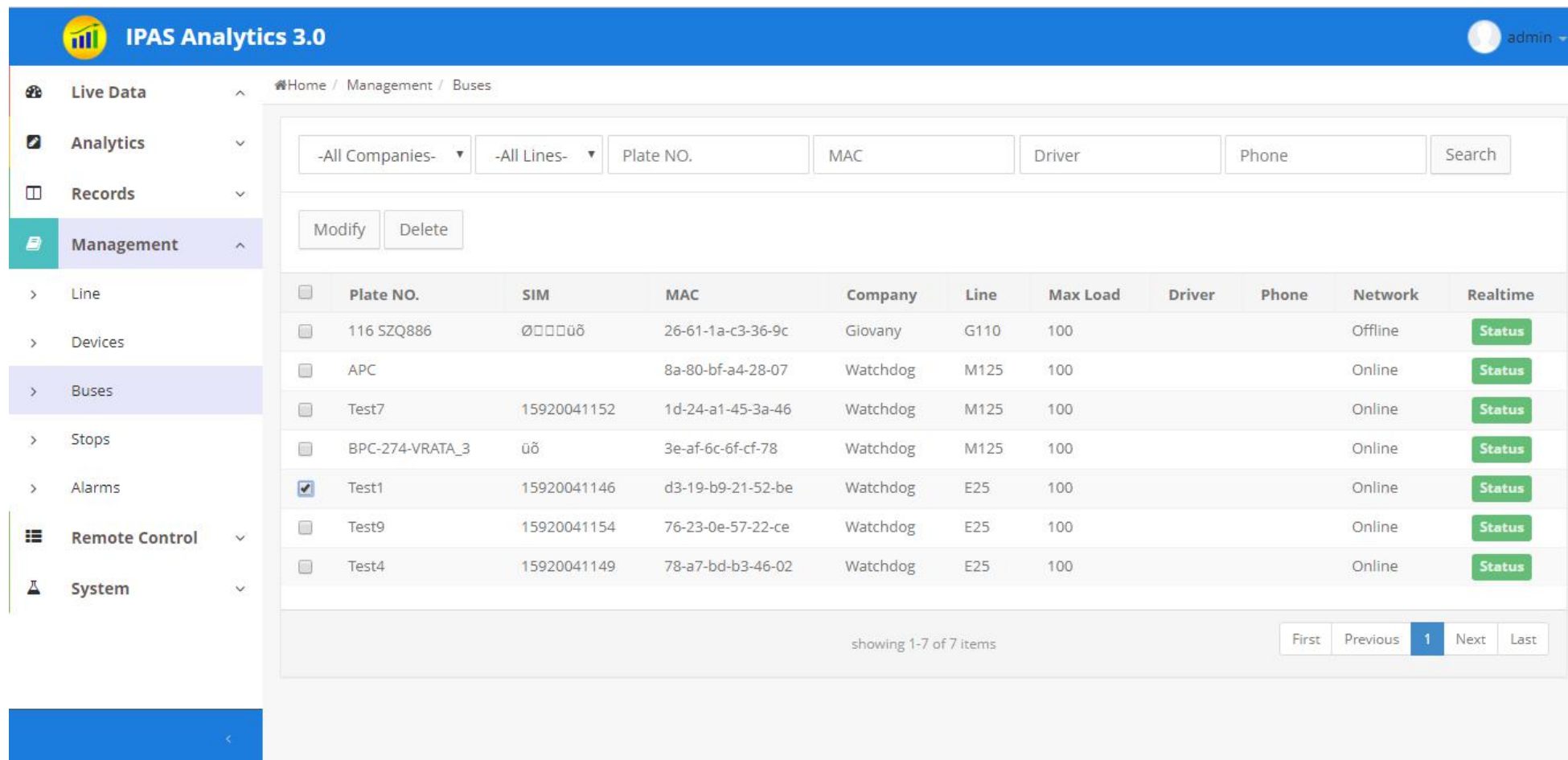
Quick affiliate selected Buses into their line. Without correct line, you need to create it first.

The screenshot displays the IPAS Analytics 3.0 Management interface. A modal dialog box titled 'Affiliate' is open, allowing a user to assign a bus to a specific line. The dialog contains two dropdown menus: 'Company' (set to 'Watchdog') and 'Line' (showing a list of options including '-All Lines-', 'M125', and 'E25', with 'E25' currently selected). 'Close' and 'Save' buttons are located at the bottom right of the dialog. The background interface shows a sidebar with navigation options like 'Live Data', 'Analytics', 'Records', 'Management', 'Line', 'Devices', 'Buses', 'Stops', 'Alarms', 'Remote Control', and 'System'. The main area displays a table of bus data.

Line	Device	MAC	IP	Firmware	CH1	CH2
E1	Test4	78-a7-bd-b3-46-02	15920041149	D_one-BPC-HI-V5.0.157.bin	1.0-0012	1.0-0012
E1	Test13	48-30-a9-79-02-de	15920041158	D_one-BPC-HI-V5.0.157.bin	1.0-0048	1.0-0048
E1	Test19	82-4c-92-ae-e9-57	15920041164	D_one-BPC-HI-V5.0.157.bin	1.0-0072	1.0-0072
E1	Test18	56-cd-fb-1d-ed-9b	15920041163	D_one-BPC-HI-V5.0.157.bin	1.0-0068	1.0-0068
E1	Test14	84-b0-40-fa-0d-9a	15920041159	D_one-BPC-HI-V5.0.157.bin	1.0-0052	1.0-0052
E1	Test17	19-4e-44-9c-f1-df	15920041162	D_one-BPC-HI-V5.0.157.bin	1.0-0064	1.0-0064
E1	Test3	4c-17-06-22-4a-46	15920041148	D_one-BPC-HI-V5.0.157.bin	1.0-0008	1.0-0008
E1	Test8	4a-a4-58-d6-26-02	15920041153	D_one-BPC-HI-V5.0.157.bin	1.0-0028	1.0-0028
E1	Test11	ef-32-5c-68-1a-46	15920041156	D_one-BPC-HI-V5.0.157.bin	1.0-0040	1.0-0040
E1	Test6	d1-a5-0a-c4-3e-8a	15920041151	D_one-BPC-HI-V5.0.157.bin	1.0-0020	1.0-0020
E1	Test12	1b-b1-f3-f9-16-02	15920041157	D_one-BPC-HI-V5.0.157.bin	1.0-0044	1.0-0044

## 1. Enrich Bus Info

Enrich bus information for better experience.



**IPAS Analytics 3.0** admin

Home / Management / Buses

-All Companies- -All Lines- Plate NO. MAC Driver Phone Search

Modify Delete

	Plate NO.	SIM	MAC	Company	Line	Max Load	Driver	Phone	Network	Realtime
<input type="checkbox"/>	116 SZQ886	000000	26-61-1a-c3-36-9c	Giovany	G110	100			Offline	Status
<input type="checkbox"/>	APC		8a-80-bf-a4-28-07	Watchdog	M125	100			Online	Status
<input type="checkbox"/>	Test7	15920041152	1d-24-a1-45-3a-46	Watchdog	M125	100			Online	Status
<input type="checkbox"/>	BPC-274-VRATA_3	00	3e-af-6c-6f-cf-78	Watchdog	M125	100			Online	Status
<input checked="" type="checkbox"/>	Test1	15920041146	d3-19-b9-21-52-be	Watchdog	E25	100			Online	Status
<input type="checkbox"/>	Test9	15920041154	76-23-0e-57-22-ce	Watchdog	E25	100			Online	Status
<input type="checkbox"/>	Test4	15920041149	78-a7-bd-b3-46-02	Watchdog	E25	100			Online	Status

showing 1-7 of 7 items

First Previous 1 Next Last

Max Load means: The valid passenger numbers, or the dangerous numbers.

Alert Load: When passenger higher than this value, you will get alert overload.

×

Bus No	Bus Plate NO 123 ✓
Name	
Line	E25 ▼
CH1	1.0-0000
CH2	1.0-0000
Version	D_one-BPC-HI-V5.0.157.bin
Max Load	100
Alert Load	80 ✓
Driver	
Phone	
Remarks	

Close Save

## Step 6. Success



Now all buses are added well and running in the server yet. Now you can browse every analysis traffic for every company, line, bus and station, or remote control the devices.

## IPAS 3.0 Function Pages Guide:

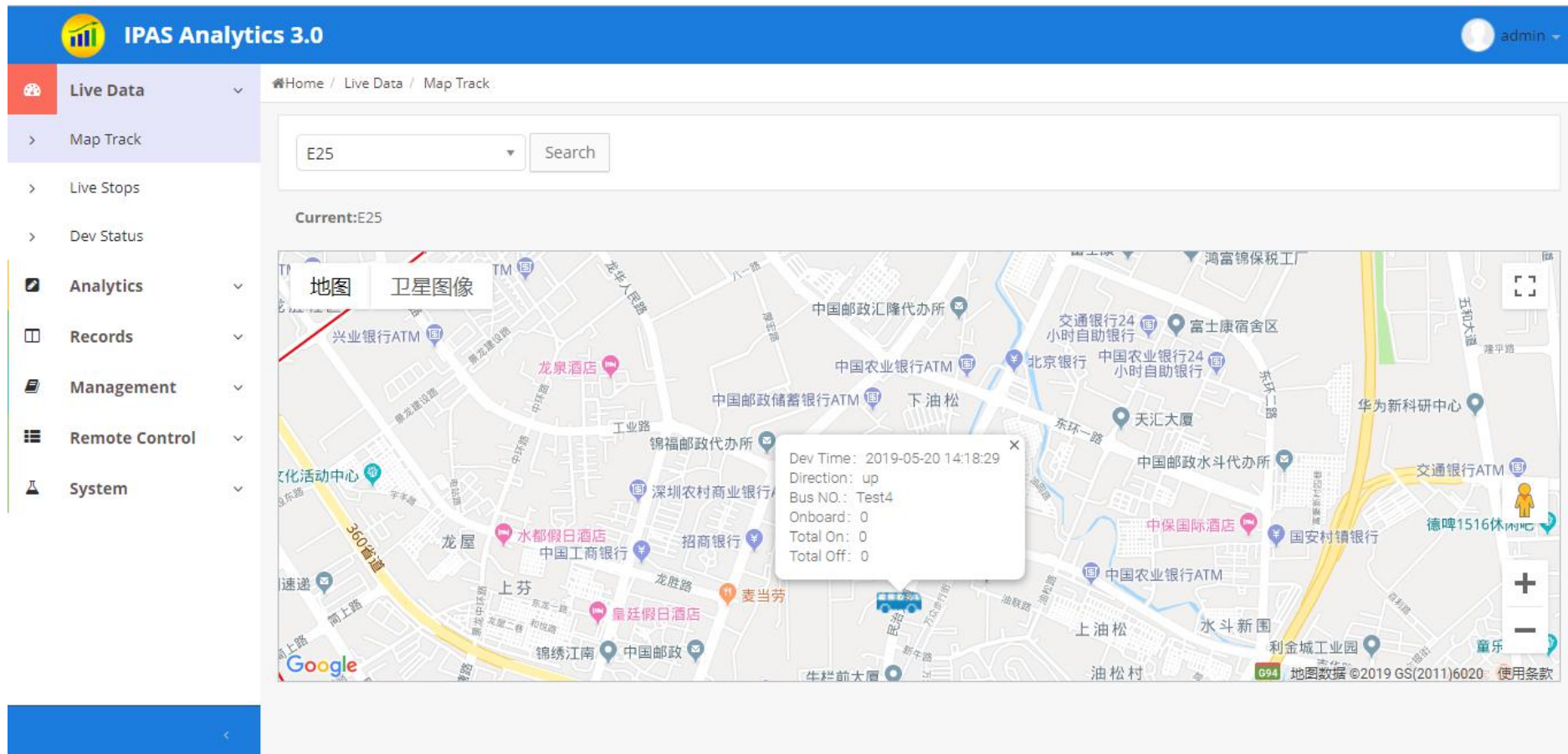
Zone	Functions	Function Description
A. Live Data	1. Map Track	Tracking your buses in map with current passenger counting data
	2. Live Stops	Locate your buses in every route with current passenger data
	3. Dev Status	List all your buses in grid with current passenger data, also learn device status
B. Records	1. Record Query	Original history records uploaded by counter
	2. Alarm Query	IPAS collected alarm records in every type
	3. Alarm Static	Alarm summary to analysis line management level
C. Analytic	1. Company	Analysis all or specific company traffic in different period
	2. Line	Analysis specific line traffic in different period, show line efficiency
	3. Bus	Analysis specific bus traffic in different period to show bus efficient
	4. Stop	Analysis specific station traffic in different period to learn stop popularity
	5. Daily	Daily traffic for any company, line, bus, stop in selected period
	6. Hourly	Hourly traffic for any company, line, bus, stop in selected period for peak and free analysis
D. Remote Control	1. Dev Upgrade	Remote upgrading people counter firmware
	2. Stops Update	Remote update route and stops data

## A. Checking Real-time Data


### 1. Map Tracking

The map only show where every bus of this line located. So all buses will be shown after you choose specific line. You can know its movement and position now.


Please choose specific line name first, otherwise nothing is shown.



You can drag the map or zoom+/- so that you can see more buses.

 **IPAS Analytics 3.0**


admin


 **Live Data**


> Map Track


> Live Stops


> Dev Status

 **Analytics**

 **Records**

 **Management**

 **Remote Control**

 **System**

Home / Live Data / Map Track

E25

Search

Current:E25

地图 卫星图像

Dev Time: 2019-05-20 14:19:20  
Direction: down  
Bus NO.: null  
Onboard: 0  
Total ON: 0  
Total Off: 0

Dev Time: 2019-05-20 14:19:30  
Direction: up  
Bus NO.: null  
Onboard: 0  
Total ON: 0  
Total Off: 0

羊台山森林公园

平湖生态园

下雪社区公园

高峰水库

大浪

羊台山

平湖

下雪社区

高峰

Google

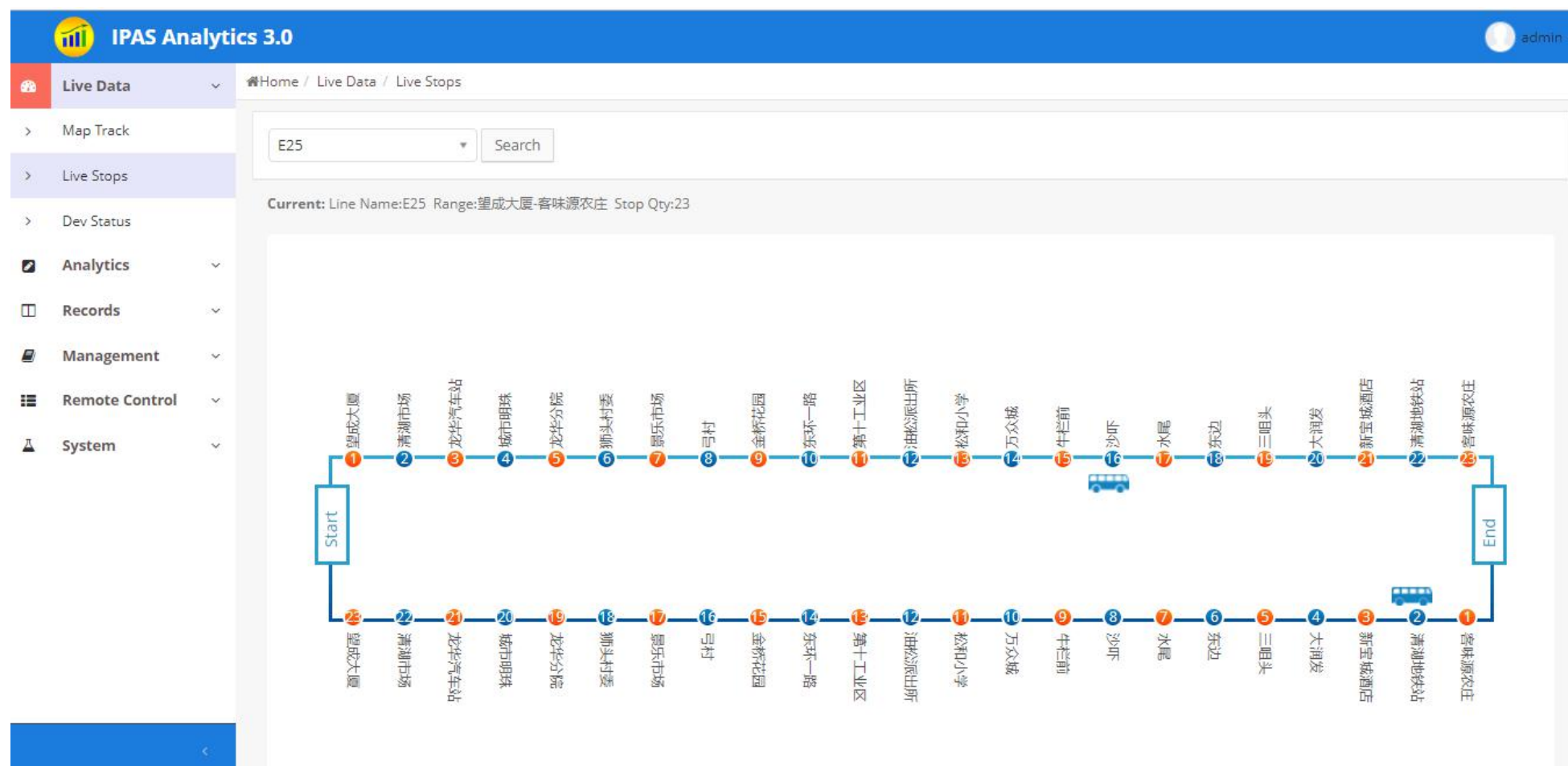
地图数据 ©2019 GS(2011)6020 Google 使用条款



## 2. Live Stops

Counter can recognize specific station name with GPS coordinate. After your import station file with csv into device offline, or update station files online by ipas, counter will send all counting records with station names automatically. IPAS will recognize the station order id and shown its position.

Bus company also can provide a basic Next Bus Service by this feature. Then attract more passengers with more incomes.





### 3. Device Status

Sometimes we must learn counter health, and learn basic information, if counter not have gps function or features. It offers a good way to learn what happen in the bus.

**IPAS Analytics 3.0** admin

Home / Live Data / Dev Status

Live Data

- Map Track
- Live Stops
- Dev Status
- Analytics
- Records
- Management
- Remote Control
- System

E25 Search

Direction	Date&Time	Station	Bus	On-board	SUM ON	SUM OFF	Load Rate	Status
Down	2019-05-20 14:22:23	大润发	Bus Plate NO 123	0	0	0	0.0%	Status
Down	2019-05-20 14:22:23	大润发	Test9	0	0	0	0.0%	Status
Up	2019-05-20 14:22:33	东边	Test4	0	0	0	0.0%	Status

showing 0-2 of 3 items

First Previous 1 Next Last



## B. Records

### 1. Record Query

To search or check or download specific records for any company, any line, any bus or any record type.

Excel can export all of your searched result within 10,000pcs.

**IPAS Analytics 3.0** admin

Home / Records / Rec Query

Record Query: Get the original record for other integration and comparative verification.

2019-05-20 2019-05-20 Today -All Companies- -All Lines- -All Buses- -All Stops- -Rec Types- Search

Excel

Rec Time	Company	Line	Bus	Station	Lat Lon	Direction	Azimuth	ON	OFF	On-board	Sum On	Sum Off	Load Rate
2019-5-20 15:19:30	Watchdog	E25	Test4	三咀头	22.658709, 114.02348	Down	18	27	26	72	1413	1341	72%
2019-5-20 15:19:20	Watchdog	E25	Bus Plate NO 123	东环一路	22.654907, 114.02583	Down	345	36	35	81	1701	1620	81%
2019-5-20 15:19:20	Watchdog	E25	Test9	东环一路	22.654907, 114.02583	Down	345	36	35	81	1701	1620	81%
2019-5-20 15:19:20	Watchdog	M125	Test7		22.654907, 114.02583	Down	345	36	35	81	1701	1620	81%
2019-5-20 15:18:29	Watchdog	E25	Test4	大润发	22.660543, 114.02614	Down	178	26	25	71	1386	1315	71%
2019-5-20 15:18:19	Watchdog	M125	Test7		22.651241, 114.02816	Down	146	35	34	80	1665	1585	80%
2019-5-20 15:18:19	Watchdog	E25	Bus Plate NO 123	第十工业区	22.651241, 114.02816	Down	146	35	34	80	1665	1585	80%

## 2. Alarm Query (Coming)

If users configured alarm rules for the specific line, then you can search the alarm record.

**IPAS Analytics 3.0** admin

Home / Records / Alarm Query

Alert Query: Obtain original alarm records to ensure effective supervision of the fleet.

2019-05-01 00:00:00 2019-05-20 23:59:59 Watchdog E25 Test4 -All Types- Search

Date & Time	Type	Line	Bus	GPS	Stop
showing 0-0 of 0 items					

- All Types-
- Door Sensor
- Video Loss
- Video Block
- SD Card Loss
- No GPS Signal
- Offline
- Superspeed
- Upgrade failure
- Invalid Parking
- Empty Bus
- Low Load
- Stop-Skip
- Hot Station
- Jam Traffic
- Trouble Bus
- Overload

### 3. Alarm Static.

Summarize every type of alarm frequency and times, to learn who troubles should you care most now.

**IPAS Analytics 3.0** admin

Home / Records / Alarm Static

Alarm Statics: Analysis alarm records summary to get more effective supervision of the fleet.

2019-05-20 2019-05-20 Today -All Companies- -All Lines- -All Types- Search

-All Types-  
Security  
Operate

Date	Company	Line	Type	Times	Days	Daily
showing 0-0 of 0 items						

## 4. Alarm Configuration (Coming)

**IPAS Analytics 3.0**
admin

Live Data

Analytics

Records

Management

Line

Devices

Buses

Stops

Alarms

Remote Control

System

Home / Management / Alarms

-All Companies-

-All Lines-

Search

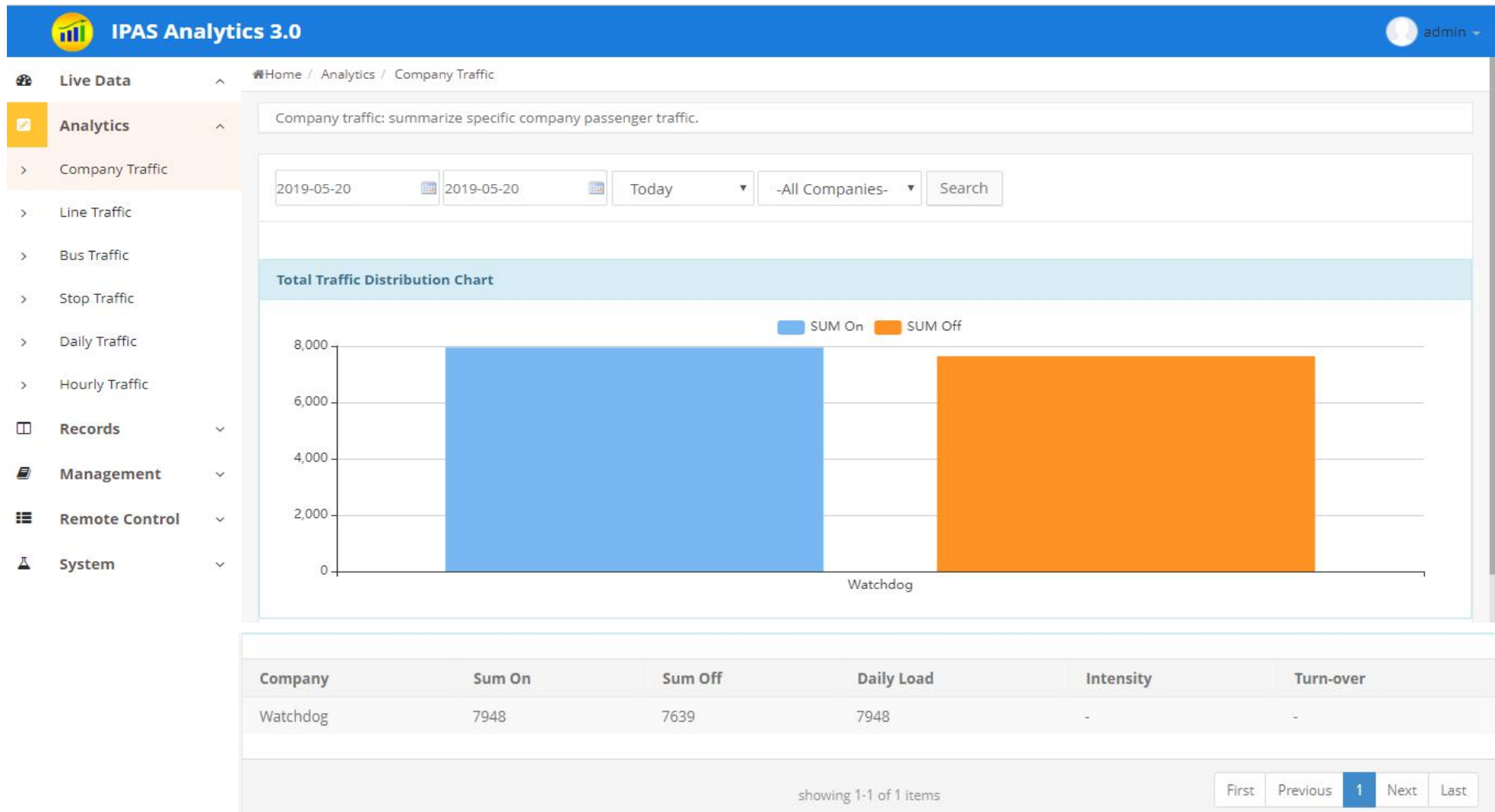
Modify

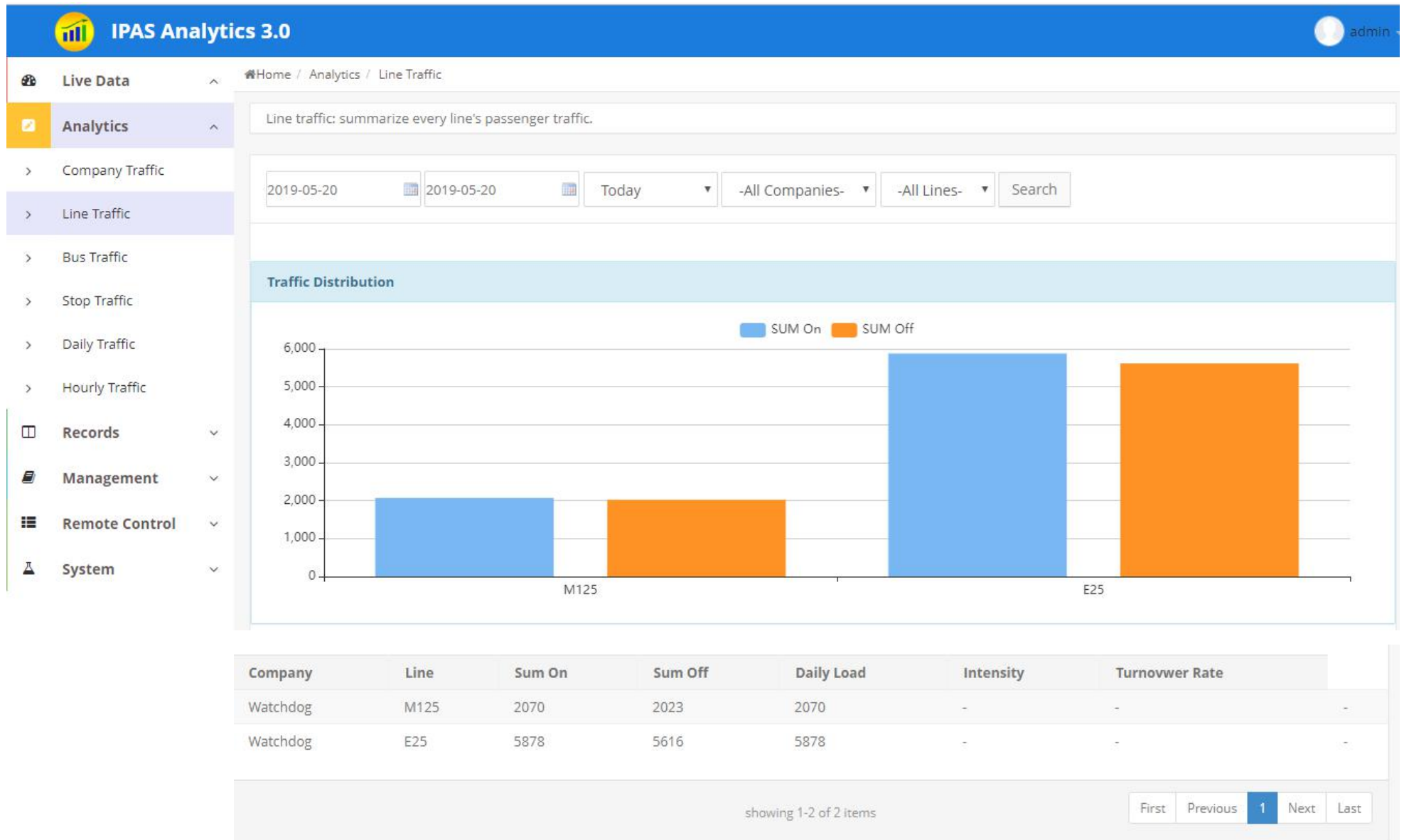
Copy To

Type	Status	Threshold	Unit	Duration(min)	Tag	Keyword
Door	Close	0		0	Security	Door Status Example
V-Loss	Close	0		1	Security	Video Loss Example
V-Block	Close	0		2	Security	Video Shield Example
SD Loss	Close	0		2	Security	SD Loss Example
GPS Loss	Close	0		2	Security	GPS Loss Example
Offline	Close	0		5	Security	Offline Example
Superspeed	Close	0	KM/H	3	Security	Superspeed Example
Fail upgrade	Close	0		0	Security	Upgrad fail Example
Invalid Park	Close	0	People	0	Operate	invalid park (cancelled) Example
Empty	Close	0	People	3	Operate	Empty bus Example
Low Load	Close	0	null	30	Operate	Low load Example
Stop-Skip	Close	0	Stops	0	Operate	Stop-skipping Example
Hot-Stop	Close	0	People	5	Operate	Busy Station Example
Jam-traffic	Close	0	KM/H	3	Operate	Traffic Jam Example

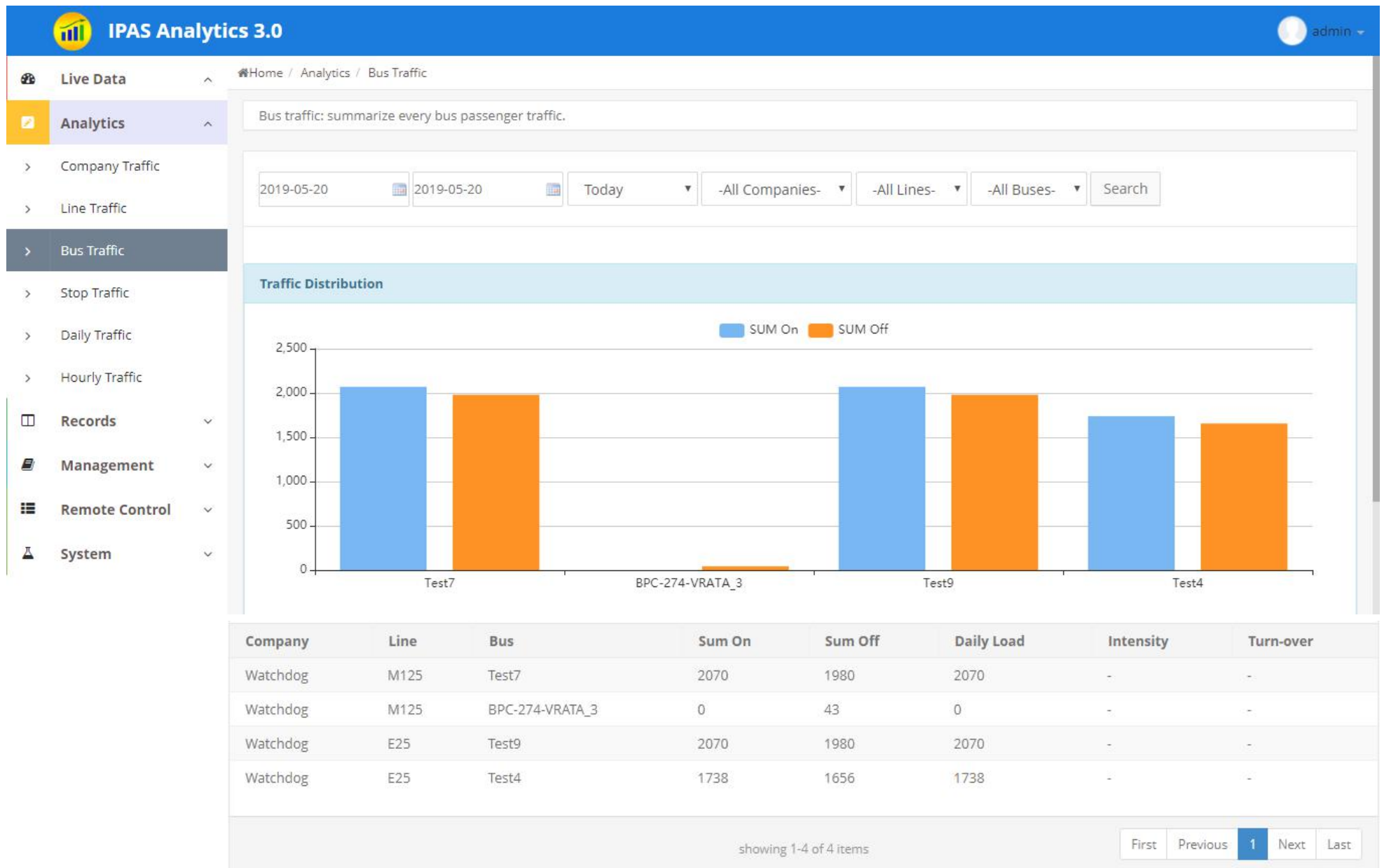
## C. Analytic

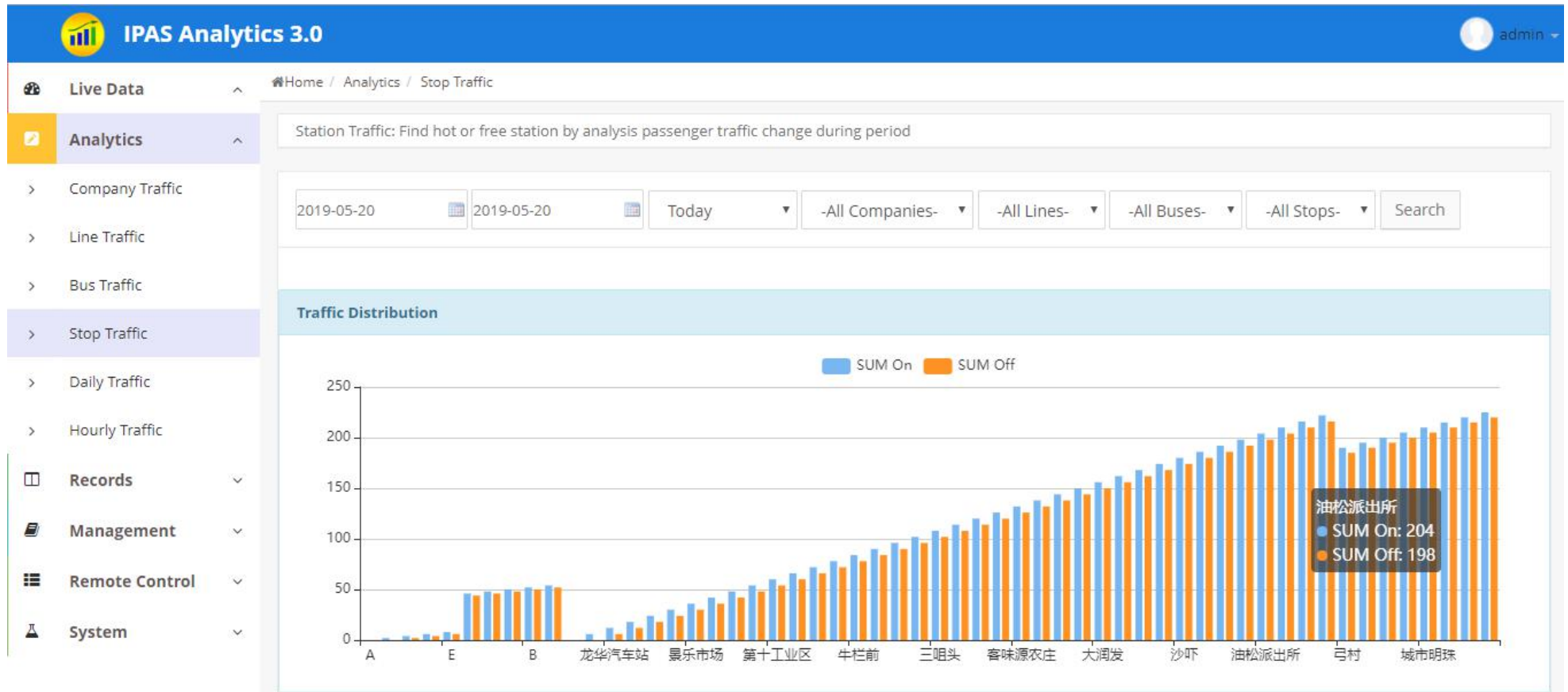
IPAS 3.0 offer automatically data reports with charts, so you can get passenger traffic analysis result in all kinds of view angles.







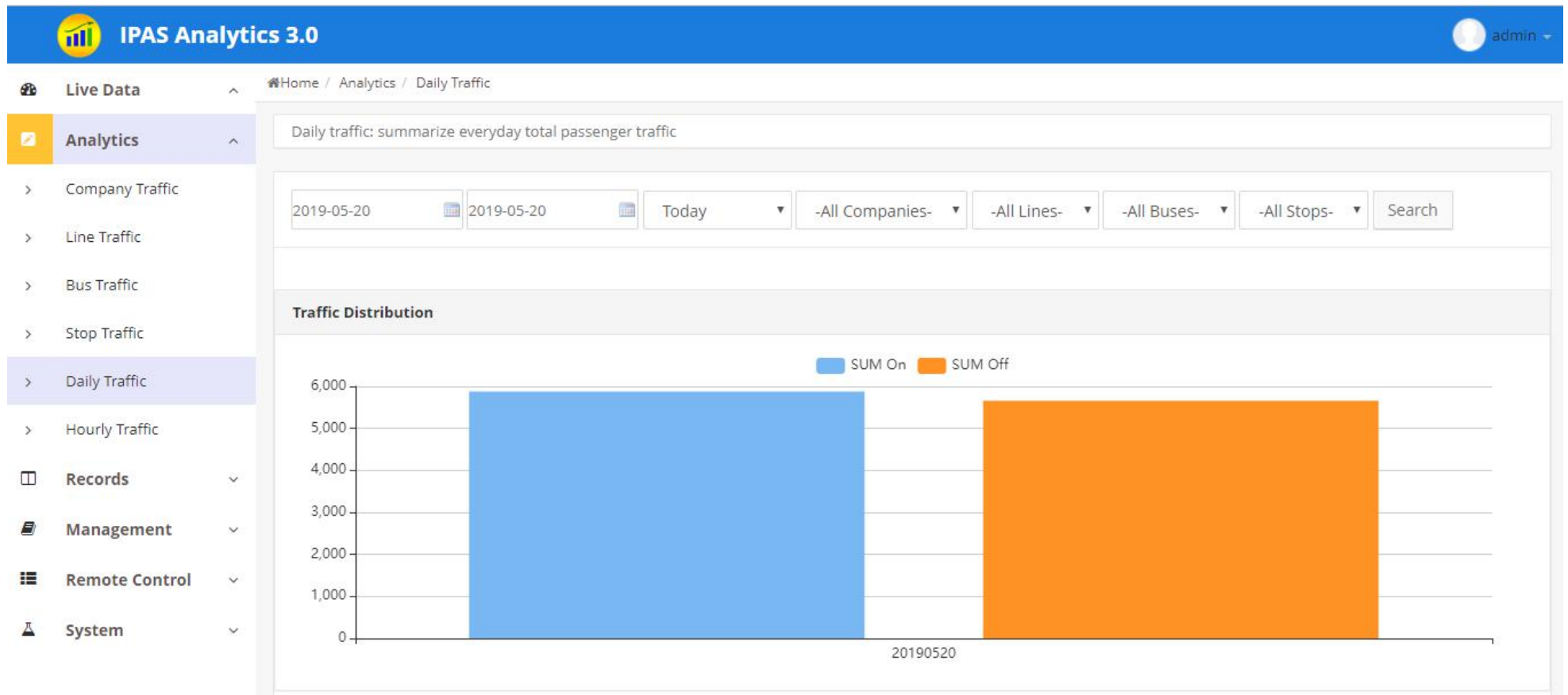


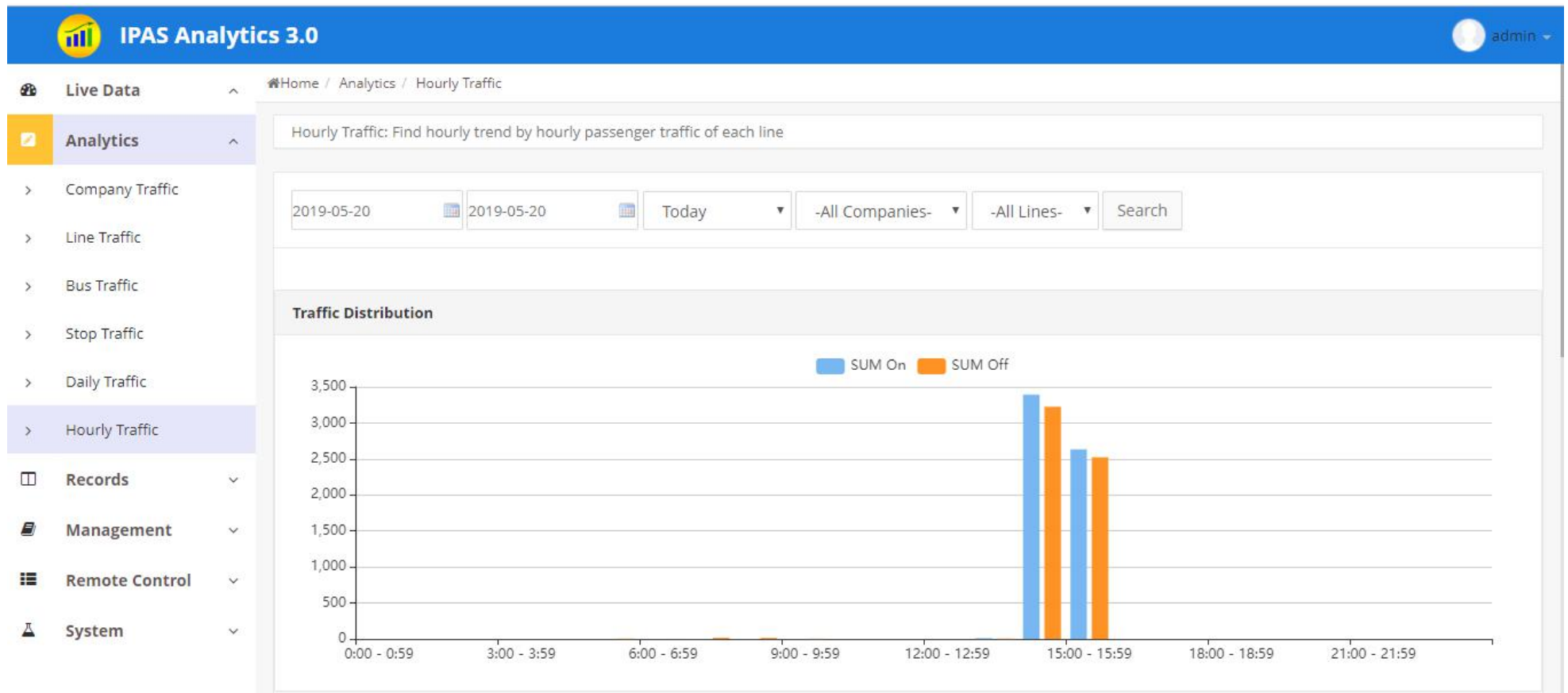


Station	Sum On	Sum Off	Daily Load	Intensity	Turn-over
A	0	0	0	-	-
B	2	0	2	-	-
C	4	2	4	-	-
D	6	4	6	-	-
E	8	6	8	-	-
E	46	44	46	-	-
D	48	46	48	-	-
C	50	48	50	-	-
B	52	50	52	-	-
A	54	52	54	-	-
望成大厦	0	0	0	-	-
清湖市场	6	0	6	-	-
龙华汽车站	12	6	12	-	-
城市明珠	18	12	18	-	-
龙华分院	24	18	24	-	-
狮头村委	30	24	30	-	-

showing 1-16 of 56 items

First
Previous
1
2
3
4
Next
Last





8	0	15	0	0
9	0	4	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0
13	12	6	1.5	0
14	3393	3225	32.9417	0
15	2633	2523	30.9765	0
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	0	0	0	0
20	0	0	0	0
21	0	0	0	0
22	0	0	0	0
23	0	0	0	0

showing 0-23 of 24 items

First

Previous

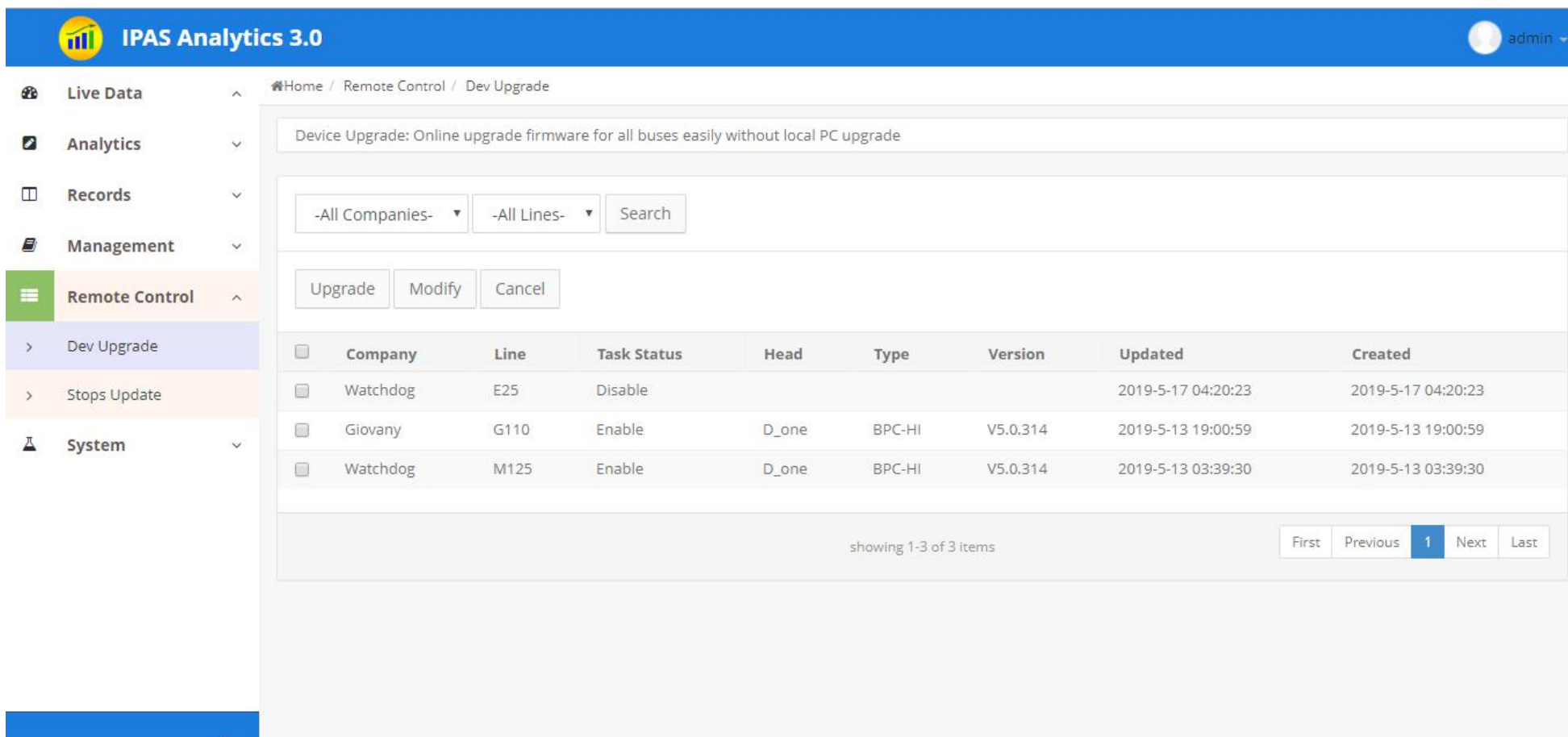
1

Next

Last

## Remote Control

## 1. Device Upgrade

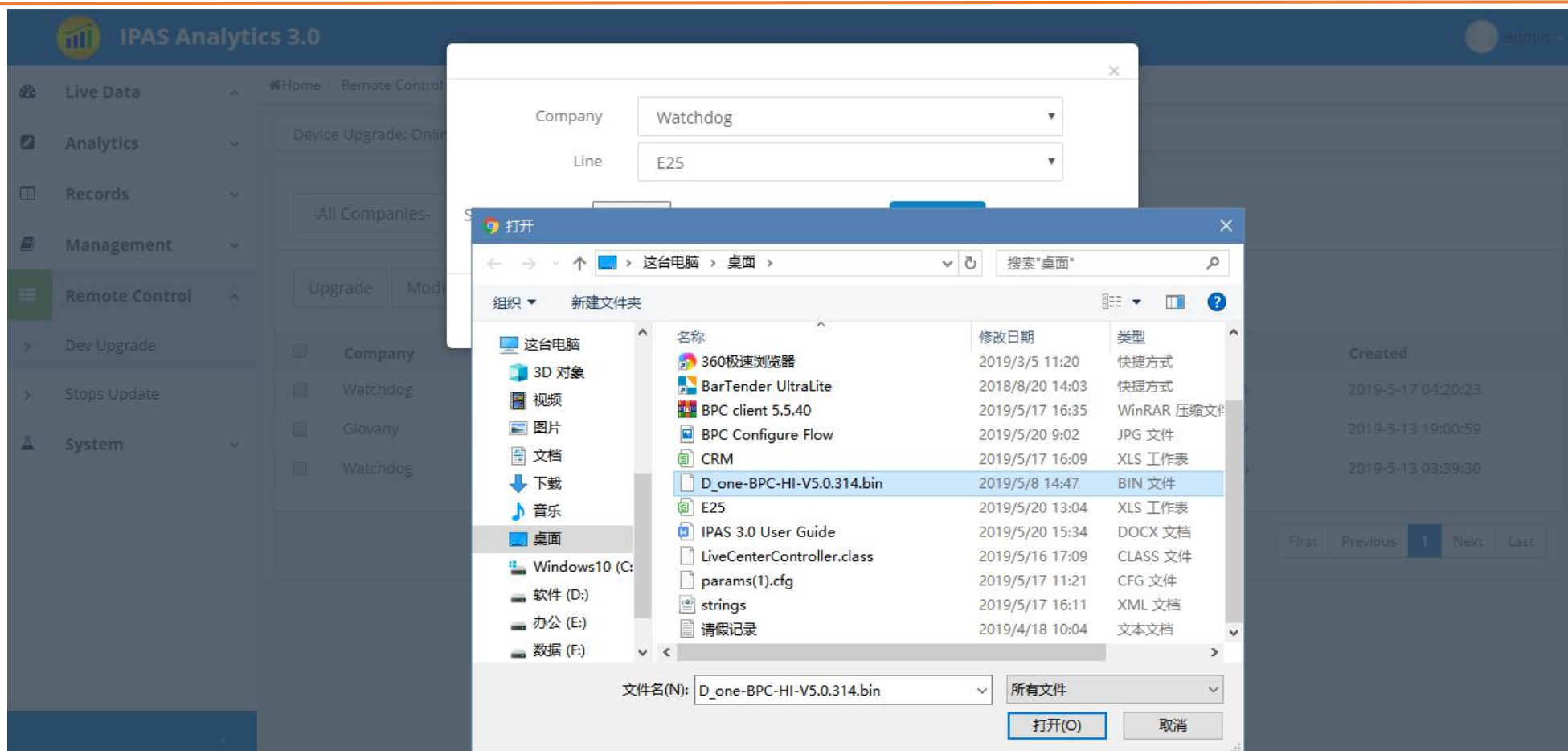


The screenshot displays the IPAS Analytics 3.0 interface. The top navigation bar is blue with the IPAS logo and the text "IPAS Analytics 3.0". On the right, there is a user profile icon labeled "admin". The left sidebar contains a menu with the following items: "Live Data", "Analytics", "Records", "Management", "Remote Control" (highlighted), "Dev Upgrade" (sub-item, highlighted), "Stops Update", and "System". The main content area shows the "Dev Upgrade" page. At the top, there is a breadcrumb trail: "Home / Remote Control / Dev Upgrade". Below this is a title bar that reads "Device Upgrade: Online upgrade firmware for all buses easily without local PC upgrade". Under the title bar, there are two dropdown menus labeled "-All Companies-" and "-All Lines-", followed by a "Search" button. Below these are three buttons: "Upgrade", "Modify", and "Cancel". A table with the following columns is displayed: "Company", "Line", "Task Status", "Head", "Type", "Version", "Updated", and "Created". The table contains three rows of data:

	Company	Line	Task Status	Head	Type	Version	Updated	Created
<input type="checkbox"/>	Watchdog	E25	Disable				2019-5-17 04:20:23	2019-5-17 04:20:23
<input type="checkbox"/>	Giovany	G110	Enable	D_one	BPC-HI	V5.0.314	2019-5-13 19:00:59	2019-5-13 19:00:59
<input type="checkbox"/>	Watchdog	M125	Enable	D_one	BPC-HI	V5.0.314	2019-5-13 03:39:30	2019-5-13 03:39:30

At the bottom of the table, there is a pagination bar that says "showing 1-3 of 3 items". To the right of this bar are five buttons: "First", "Previous", "1" (highlighted), "Next", and "Last".

Click Update to select new firmware to upload first. When buses of this line get online, server will ask all of them upgrade. You can modify or cancel this upgrading task.





## 2. Stops Update

For fast installation in the bus and change bus routes easily, some buses often shift different routes, so it must update its station data. IPAS need to collect data based on lines, so if user needs to shift some buses into new route, they must shift buses into new line in bus management page. Then update the target line, all new buses will be updated their stop list together. And IPAS will collect passenger traffic data as target line. It is very different from other pos system.

**IPAS Analytics 3.0**
admin

Live Data

Analytics

Records

Management

Remote Control

Dev Upgrade

Stops Update

System

Home / Remote Control / Stops Update

Stops Update: Update stations in to buses and make device recognize the station automtatically

-All Companies-

-All Lines-

-All Buses-

Search

Auto Upgrade

Upgrade

Reset

Cancel

Batch

	Company	Line	Bus	Task Status	Head	Version	Process	Times	Updated	Created
<input type="checkbox"/>	Watchdog	E25	Test13	Disable			Stop	0	2019-5-20 00:36:40	2019-5-20 00:36:40
<input type="checkbox"/>	Watchdog	E25	Test4	Disable			Stop	0	2019-5-19 23:04:22	2019-5-19 23:04:22
<input type="checkbox"/>	Watchdog	E25	Test9	Disable			Stop	0	2019-5-17 04:20:54	2019-5-17 04:20:54
<input type="checkbox"/>	Watchdog	M125	BPC-274-VRATA_3	Disable			Stop	0	2019-5-17 04:16:16	2019-5-17 04:16:16
<input type="checkbox"/>	Giovany	G110	116 SZQ886	Disable			Stop	0	2019-5-16 18:08:14	2019-5-16 18:08:14
<input type="checkbox"/>	Watchdog	M125	Test7	Disable			Stop	0	2019-5-16 17:39:58	2019-5-16 17:39:58
<input type="checkbox"/>	Watchdog	M125	APC	Disable			Stop	0	2019-5-15 01:30:17	2019-5-15 01:30:17

showing 1-7 of 7 items

First

Previous

1

Next

Last


The screenshot displays the IPAS Analytics 3.0 web application. On the left, a sidebar menu includes 'Live Data', 'Analytics', 'Records', 'Management', and 'Remote Control'. The 'Remote Control' section is expanded, showing 'Dev Upgrade', 'Stops Update', and 'System'. The 'Stops Update' option is selected, leading to a table of system components. A modal dialog box titled 'Auto Upgrade' is open, featuring dropdown menus for 'Company' (set to 'Watchdog') and 'Line' (set to 'E25'), an 'Upload' button, and a 'Close' button. A hand-drawn arrow points from the 'Auto Upgrade' link in the sidebar to the dialog box. The background table lists various components with columns for Company, Line, Bus, Task Status, Head, Version, Process, Times, Updated, and Created.

Company	Line	Bus	Task Status	Head	Version	Process	Times	Updated	Created
Watchdog	E25	Test13	Disable			Stop	0	2019-5-20 00:36:40	2019-5-20 00:36:40
Watchdog	E25	Test4	Disable			Stop	0	2019-5-19 23:04:22	2019-5-19 23:04:22
Watchdog	E25	Test9	Disable			Stop	0	2019-5-17 04:20:54	2019-5-17 04:20:54
Watchdog	M125	BPC-274-VRATA_3	Disable			Stop	0	2019-5-17 04:16:16	2019-5-17 04:16:16
Giovany	G110	116 SZQ886	Disable			Stop	0	2019-5-16 18:08:14	2019-5-16 18:08:14
Watchdog	M125	Test7	Disable			Stop	0	2019-5-16 17:39:58	2019-5-16 17:39:58
Watchdog	M125	APC	Disable			Stop	0	2019-5-15 01:30:17	2019-5-15 01:30:17

showing 1-7 of 7 items

First Previous 1 Next Last

End.  
Thanks


**IPAS Analytics 3.0**
admin

**Live Data**

**Analytics**

**Records**

**Management**

**Remote Control**

**System**

Home / Remote Control / Stops Update

Stops Update: Update stations in to buses and make device recognize the station automtatically

-All Companies-

-All Lines-

-All Buses-

Search

Auto Upgrade

Upgrade

Reset

Cancel

Batch

	Company	Line	Bus	Task Status	Head	Version	Process	Times	Updated	Created
<input type="checkbox"/>	Watchdog	E25	Test4	Enable	59	1558339715751	Stop	0	2019-5-20 01:08:35	2019-5-19 23:04:22
<input type="checkbox"/>	Watchdog	E25	Test13	Enable	59	1558339715751	Stop	0	2019-5-20 01:08:35	2019-5-20 00:36:40
<input type="checkbox"/>	Watchdog	E25	Test9	Enable	59	1558339715751	Stop	0	2019-5-20 01:08:35	2019-5-17 04:20:54
<input type="checkbox"/>	Watchdog	M125	BPC-274-VRATA_3	Disable			Stop	0	2019-5-17 04:16:16	2019-5-17 04:16:16
<input type="checkbox"/>	Giovany	G110	116 SZQ886	Disable			Stop	0	2019-5-16 18:08:14	2019-5-16 18:08:14
<input type="checkbox"/>	Watchdog	M125	Test7	Disable			Stop	0	2019-5-16 17:39:58	2019-5-16 17:39:58
<input type="checkbox"/>	Watchdog	M125	APC	Disable			Stop	0	2019-5-15 01:30:17	2019-5-15 01:30:17

showing 1-7 of 7 items

First

Previous

1

Next

Last