



Milesight AI Stereo Vision People Counting Sensor

API Specification

Update Time	Applicable Firmware version	Description
2024-07-19	V1.0	Initial Version
2024-10-23	V1.1	<ol style="list-style-type: none">1.Add Multi-Device Stitching;2.Add Staff Detection;3.Add Group Counting;4.Add Heatmap;5.Support TCP/IP Communication for cellular version.

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Overview

This document specifies the parameters and configuration files for Milesight AI Stereo Vision People Counting sensor VS125.

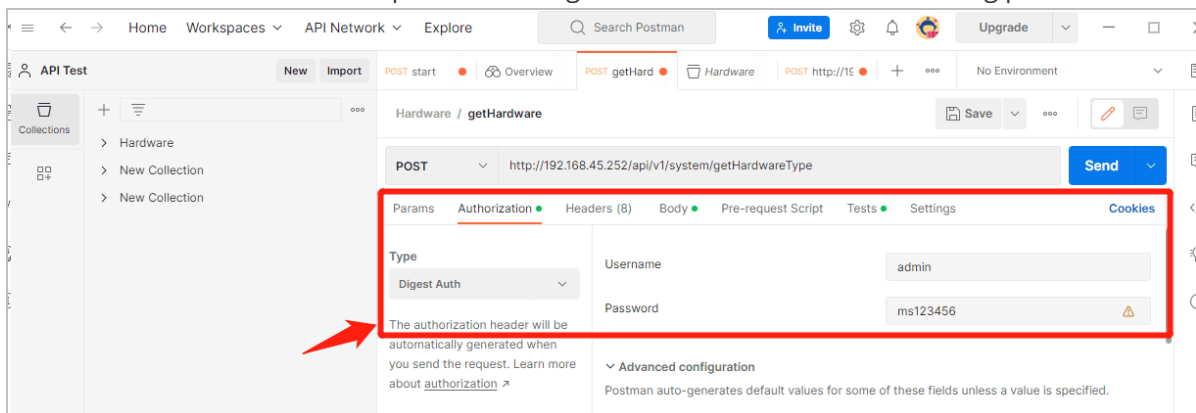
Permission level

The permission levels column in each parameter table shows the required permission level to operate parameters.

To be able to perform an action on a parameter the user needs to have a permission level equal to or higher than the corresponding permission level of the parameter.

Security level	Description
Admin	Top access right.

Each API call needs to be accompanied with Digest Authentication as the following picture shows.



User

login

- **Path:** /api/v1/system/login
- **Method:** post
- **Model:** VS125-P VS125-LOBEU

Description

[No authentication required interface]

To verify the correctness of the account and password.

Input the account and password encrypted with MD5, and successfully return the corresponding user level (0: admin, 1: viewer).

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
username	Yes	string	The MD5 value of the username
password	Yes	string	The MD5 value of the password

- Body example

```
{
  "username": "3376ec73e91ebd975d2affd02b68a262",
  "password": "21232f297a57a5a743894a0e4a801fc3"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> userLevel	Yes	integer	0: admin, 1: viewer

Name	Required	Type	Description
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "userLevel": 0
  },
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Wrong user or password.**

```
{
  "code": 101,
  "message": "wrong user or password.",
  "transmitTime": 1
}
```

getSecurity

- **Path:** /api/v1/system/getSecurity
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

[No authentication required interface]

To get the set security questions.

If it is a fixed question, return the ID; if it is a custom question, return the content.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> security	Yes	[object]	
>> >> questionId	Yes	integer	

Name	Required	Type	Description
>>> question	Yes	string	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "security": [
      {
        "question": "",
        "questionId": 0
      },
      {
        "question": "",
        "questionId": 1
      },
      {
        "question": "",
        "questionId": 2
      }
    ]
  },
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Admin user is not exist.**

```
{
  "code": 103,
  "message": "Admin user is not exist.",
  "transmitTime": 1
}
```

updateSecurity

- **Path:** /api/v1/system/updateSecurity
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To update security questions and answers. You need to pass in the username and password for verification.

In the user section, input the username and password of the admin user, both encrypted with MD5. The answer in the security section should also be encrypted with MD5.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
user	Yes	object	
>> username	Yes	string	
>> password	Yes	string	
security	Yes	[object]	
>> questionId	Yes	integer	
>> question	Yes	string	ID=0 means customize question
>> answer	Yes	string	The MD5 value of the answer.

- Body example

```

{
  "user": {
    "username": "21232f297a57a5a743894a0e4a801fc3",
    "password": "3376ec73e91ebd975d2affd02b68a262"
  },
  "security": [
    {
      "questionId": 0,
      "question": "",
      "answer": "C4CA4238A0B923820DCC509A6F75849B"
    },
    {
      "questionId": 1,
      "question": "",
      "answer": "C4CA4238A0B923820DCC509A6F75849B"
    },
    {
      "questionId": 2,
      "question": "",
      "answer": "C4CA4238A0B923820DCC509A6F75849B"
    }
  ]
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 4
}
```

- Response example: **Wrong user or password.**

```
{
  "code": 101,
  "message": "Wrong user or password.",
  "transmitTime": 1
}
```

deleteUser

- **Path:** /api/v1/system/deleteUser
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To delete a user (excluding administrators).

You need to fill in the admin-related information in adminUser.

In deleteInfo, provide the information of the user to be deleted, either the corresponding ID or username. If the username is provided, it must be encrypted with MD5, and only the ID will take effect.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
adminUser	Yes	object	

Name	Required	Type	Description
>> username	Yes	string	MD5 value
>> password	Yes	string	MD5 value
deleteInfo	Yes	object	If both index and name are provided, only index will take effect.
>> index	No	integer	
>> username	No	string	MD5 value

- Body example

```
{
  "adminUser": {
    "username": "21232f297a57a5a743894a0e4a801fc3",
    "password": "3376ec73e91ebd975d2affd02b68a262"
  },
  "deleteInfo": {
    "username": "4B2A1529867B8D697685B1722CCD0149",
    "index": 0
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 3
}
```

- Response example: **Username does not exist.**

```
{
  "code": 107,
  "message": "Username does not exist.",
  "transmitTime": 1
}
```

getUserList

- **Path:** /api/v1/system/getUserList
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get the current user list.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> userList	Yes	[object]	
>>> index	No	integer	
>>> level	No	integer	0: admin 1: viewer
>>> username	No	string	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "userList": [
      {
        "index": 0,
        "level": 0,
        "username": "admin"
      }
    ]
  },
  "message": "ok",
}
```

```
"transmitTime": 1
}
```

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "userList": [
      {
        "index": 0,
        "level": 0,
        "username": "admin"
      },
      {
        "index": 1,
        "level": 1,
        "username": "viewer"
      }
    ]
  },
  "message": "ok",
  "transmitTime": 1
}
```

checkSecurity

- **Path:** /api/v1/system/checkSecurity
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

[No authentication required interface]

To verify if the security question answer is correct.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
security	Yes	[object]	
>> questionId	Yes	integer	
>> question	Yes	string	
>> answer	Yes	string	MD5 value

- Body example

```

{
  "security": [
    {
      "questionId": 0,
      "question": "",
      "answer": "C4CA4238A0B923820DCC509A6F75849B"
    },
    {
      "questionId": 1,
      "question": "",
      "answer": "C4CA4238A0B923820DCC509A6F75849B"
    },
    {
      "questionId": 2,
      "question": "",
      "answer": "C4CA4238A0B923820DCC509A6F75849B"
    }
  ]
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```

{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}

```

- Response example: **Check for security errors.**

```

{
  "code": 105,
  "message": "Check for security errors.",
  "transmitTime": 1
}

```

Algo

getAlgoInfo

- **Path:** /api/v1/system/getAlgoInfo
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get People Counting configuration.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> children	Yes	object	
>>> enable	Yes	boolean	
>>> threshold	Yes	integer	
>> deploy	Yes	object	
>>> height	Yes	integer	
>>> acceleEnable	Yes	boolean	
>> detectScope	Yes	object	
>>> maxHeight	Yes	integer	
>>> minHeight	Yes	integer	
>> lineInfo	Yes	object	
>>> enable	Yes	boolean	
>>> uturnEnable	Yes	boolean	
>>> list	Yes	[object]	
>>>> coords	Yes	[object]	
>>>>> x	Yes	integer	
>>>>> y	Yes	integer	

Name	Required	Type	Description
>>>> id	Yes	integer	
>>>> name	Yes	string	
>>>> uturnCoords	Yes	[object]	
>>>>> x	Yes	integer	
>>>>> y	Yes	integer	
>>>> uuid	Yes	string	
>>>> flip	Yes	boolean	
>> regionInfo	Yes	object	
>>> enable	Yes	boolean	
>>> list	Yes	[object]	
>>>> coords	No	[object]	
>>>>> x	Yes	integer	
>>>>> y	Yes	integer	
>>>> count	No	object	
>>>>> enable	Yes	boolean	
>>>>> timeMin	Yes	integer	Unit:s, Range: 0-3600
>>>> dwellTime	No	object	
>>>>> enable	Yes	boolean	
>>>>> timeMin	Yes	integer	Unit: s, Range: 0-3600
>>>> id	No	integer	
>>>> name	No	string	
>>>> uuid	No	string	
>> sex	Yes	object	
>>> enable	Yes	boolean	
>> trackMode	Yes	integer	0: Heads Tracking 1:Feet Tracking
>> resetOnSchedule	Yes	object	
>>> enable	Yes	boolean	
>>> wDay	Yes	integer	Range: 0-6, 0: Sunday, 6: Saturday 7:Everyday

Name	Required	Type	Description
>>> dSec	Yes	integer	0-86399
>> cascadeMode	Yes	integer	0:Standalone 1:Master 2:Node
>> groupCount	Yes	object	
>>> countMax	Yes	integer	
>>> enable	Yes	boolean	
>> heatMap	Yes	object	
>>> enable	Yes	boolean	
>> staffDetect	Yes	object	
>>> enable	Yes	boolean	
>>> sensitivity	Yes	integer	0-100
>> showDetectBox	Yes	object	
>>> depth	Yes	boolean	
>>> enable	Yes	boolean	
>>> merge	Yes	boolean	
>>> real	Yes	boolean	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "cascadeMode": 1,
    "children": {
      "enable": false,
      "threshold": 1500
    },
    "deploy": {
      "acceleEnable": true,
      "height": 3177
    },
    "detectScope": {
      "maxHeight": 2000,
      "minHeight": 1000
    },
    "groupCount": {
      "countMax": 20,
      "enable": false
    }
  }
}
```



```

"heatMap": {
  "enable": true
},
"lineInfo": {
  "enable": true,
  "list": [
    {
      "coords": [
        {
          "x": 960,
          "y": 270
        },
        {
          "x": 720,
          "y": 270
        },
        {
          "x": 480,
          "y": 270
        },
        {
          "x": 240,
          "y": 270
        },
        {
          "x": 0,
          "y": 270
        }
      ],
      "flip": false,
      "id": 0,
      "name": "Line1",
      "uturnCoords": [
        {
          "x": 0,
          "y": 180
        },
        {
          "x": 960,
          "y": 180
        },
        {
          "x": 960,
          "y": 360
        },
        {
          "x": 0,
          "y": 360
        }
      ],
      "uuid": "e4435c1d-deb6-4940-98e4-bae711b576c6"
    },
    {
      "coords": [
        {
          "x": 111,

```

```
        "y": 107
      },
      {
        "x": 107,
        "y": 477
      },
      {
        "x": 423,
        "y": 477
      },
      {
        "x": 655,
        "y": 277
      }
    ],
    "flip": false,
    "id": 1,
    "name": "Line2",
    "uturnCoords": [],
    "uuid": "97bab72f-2527-4a6f-a914-b9f1d40e8259"
  },
  {
    "coords": [
      {
        "x": 159,
        "y": 429
      },
      {
        "x": 563,
        "y": 269
      }
    ],
    "flip": false,
    "id": 2,
    "name": "Line3",
    "uturnCoords": [
      {
        "x": 103,
        "y": 211
      },
      {
        "x": 135,
        "y": 397
      },
      {
        "x": 471,
        "y": 359
      },
      {
        "x": 617,
        "y": 181
      },
      {
        "x": 695,
        "y": 111
      }
    ]
  }
}
```

```
    ],
    "uuid": "063aa72e-8d69-49e3-b4e8-122b9d0ec604"
  }
],
"uturnEnable": true
},
"regionInfo": {
  "enable": true,
  "list": [
    {
      "coords": [
        {
          "x": 199,
          "y": 293
        },
        {
          "x": 441,
          "y": 484
        },
        {
          "x": 701,
          "y": 210
        },
        {
          "x": 534,
          "y": 50
        }
      ]
    },
    {
      "count": {
        "enable": true,
        "timeMin": 5
      },
      "dwellTime": {
        "enable": true,
        "timeMin": 5
      },
      "id": 0,
      "name": "Region1",
      "uuid": "0c0b0246-3c3c-4911-af27-7b3a827b3292"
    }
  ]
},
"resetOnSchedule": {
  "dSec": 0,
  "enable": true,
  "wDay": 7
},
"sex": {
  "enable": true
},
"staffDetect": {
  "enable": true,
  "sensitivity": 50
},
"trackMode": 1,
"showDetectBox": {
```

```

        "depth": true,
        "enable": false,
        "merge": true,
        "real": true
    }
},
"message": "ok",
"transmitTime": 2
}

```

setAlgoInfo

- **Path:** /api/v1/system/setAlgoInfo
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set People Counting configuration.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
children	No	object	
>> enable	No	boolean	
>> threshold	No	integer	
deploy	No	object	
>> height	No	integer	
>> acceleEnable	No	boolean	
detectScope	No	object	
>> maxHeight	No	integer	
>> minHeight	No	integer	
lineInfo	No	object	
>> uturnEnable	No	boolean	
regionInfo	No	object	
>> enable	No	boolean	

Name	Required	Type	Description
sex	No	object	
>> enable	No	boolean	
trackMode	No	integer	0: Heads Tracking 1:Feet Tracking
resetOnSchedule	No	object	
>> enable	No	boolean	
>> wDay	No	integer	Range: 0-6, 0:Sunday, 6:Saturday, 7:Everyday
>> dSec	No	integer	0-86399
staffDetect	No	object	
>> enable	No	boolean	
>> sensitivity	No	integer	0-100
groupCount	No	object	
>> enable	No	boolean	
>> countMax	No	integer	
heatMap	No	object	
>> enable	No	boolean	
cascadeMode	No	integer	0:Standalone 1: Master 2:Node
showDetectBox	No	object	
>> depth	No	boolean	
>> enable	No	boolean	
>> merge	No	boolean	
>> real	No	boolean	

- Body example

```
{
  "children": {
    "enable": true,
    "threshold": 1300
  },
  "deploy": {
    "height": 3200,
    "accelEnable": true
  },
  "detectScope": {
    "maxHeight": 2000,
    "minHeight": 500
  }
}
```

```

    },
    "lineInfo": {
      "uturnEnable": true
    },
    },
    "regionInfo": {
      "enable": true
    },
    },
    "sex": {
      "enable": false
    },
    },
    "trackMode": 1,
    "resetOnSchedule": {
      "enable": false,
      "wDay": 1,
      "dSec": 1000
    },
    },
    "staffDetect": {
      "enable": true,
      "sensitivity": 10
    },
    },
    "groupCount": {
      "enable": true,
      "countMax": 5
    },
    },
    "heatMap": {
      "enable": true
    },
    },
    "cascadeMode": 1,
    "showDetectBox": {
      "depth": true,
      "enable": true,
      "merge": true,
      "real": true
    }
  }
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 159
}
```

setDetectArea

- **Path:** /api/v1/system/setDetectArea
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

Draw detection lines or detection areas.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
line	No	object	
>> id	No	integer	
>> name	No	string	
>> uuid	No	string	
>> coords	No	[object]	
>>> x	No	number	
>>> y	No	number	
>> uturnCoords	No	[object]	
>>> x	Yes	number	
>>> y	Yes	number	
>> flip	No	boolean	
region	No	object	
>> id	No	integer	
>> name	No	string	
>> uuid	No	string	

Name	Required	Type	Description
>> coords	No	[object]	
>>> x	No	number	
>>> y	No	number	
>> count	No	object	
>>> enable	Yes	boolean	
>>> timeMin	Yes	integer	Unit:s, Range: 0-3600
>> dwellTime	No	object	
>>> enable	Yes	boolean	
>>> timeMin	Yes	integer	Unit:s, Range: 0-3600

- Body example

```

{
  "line": {
    "id": 0,
    "name": "chenjs",
    "uuid": "",
    "coords": [
      {
        "x": 159,
        "y": 429
      },
      {
        "x": 563,
        "y": 269
      }
    ],
    "uturnCoords": [
      {
        "x": 103,
        "y": 211
      },
      {
        "x": 135,
        "y": 397
      },
      {
        "x": 471,
        "y": 359
      },
      {
        "x": 617,
        "y": 181
      },
      {
        "x": 695,
        "y": 111
      }
    ]
  }
}

```



```
    }
  ],
  "flip": true
},
"region": {
  "id": 0,
  "name": "chenjsRegion",
  "uuid": "",
  "coords": [
    {
      "x": 111,
      "y": 107
    },
    {
      "x": 107,
      "y": 477
    },
    {
      "x": 423,
      "y": 477
    },
    {
      "x": 655,
      "y": 277
    }
  ],
  "count": {
    "enable": true,
    "timeMin": 10
  },
  "dwellTime": {
    "enable": true,
    "timeMin": 30
  }
}
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> id	No	integer	The ID of the currently operated detection line or region.
message	Yes	string	

Name	Required	Type	Description
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "id": 0
  },
  "message": "ok",
  "transmitTime": 2
}
```

- Response example: **Detection area ID reaches upper limit.**

```
{
  "code": 602,
  "message": "Detection area ID reaches upper limit.",
  "transmitTime": 1
}
```

- Response example: **Detection area ID is invalid.**

```
{
  "code": 601,
  "message": "Detection area ID is invalid.",
  "transmitTime": 2
}
```

deleteDetectArea

- **Path:** /api/v1/system/deleteDetectArea
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

Delete detection lines or detection regions.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
id	Yes	integer	

Name	Required	Type	Description
event	Yes	integer	0:detection line 1: detection region

- Body example

```
{
  "id": 0,
  "event": 0
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Detection area ID is invalid.**

```
{
  "code": 601,
  "message": "Detection area ID is invalid.",
  "transmitTime": 2
}
```

resetDetectResult

- **Path:** /api/v1/system/resetDetectResult
- **Method:** post
- **Model:** VS125-P VS125-LOBEU

Description

Reset detection lines or areas.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
lineId	No	[integer]	
regionId	No	[integer]	

- Body example

```
{
  "lineId": [
    1,
    2,
    3
  ],
  "regionId": [
    0,
    2
  ]
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 2
}
```

getDetectResult

- **Path:** /api/v1/system/getDetectResult
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get the result of detection.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> line	No	[object]	
>>> id	No	integer	
>>> child	No	object	
>>>> in	No	integer	
>>>> out	No	integer	
>>>> femaleIn	No	integer	
>>>> femaleOut	No	integer	
>>>> maleIn	No	integer	
>>>> maleOut	No	integer	
>>> total	No	object	
>>>> in	No	integer	
>>>> out	No	integer	
>>>> femaleIn	No	integer	
>>>> femaleOut	No	integer	
>>>> maleIn	No	integer	
>>>> maleOut	No	integer	
>>> group	No	object	
>>>> in	No	integer	

Name	Required	Type	Description
>>>> out	No	integer	
>>> staff	No	object	
>>>> femaleIn	No	integer	
>>>> femaleOut	No	integer	
>>>> in	No	integer	
>>>> maleIn	No	integer	
>>>> maleOut	No	integer	
>>>> out	No	integer	
>> region	No	[object]	
>>> count	No	object	
>>>> child	No	object	
>>>>> female	No	integer	
>>>>> male	No	integer	
>>>>> total	No	integer	
>>>> total	No	object	
>>>>> female	No	integer	
>>>>> male	No	integer	
>>>>> total	No	integer	
>>>>> staff	No	object	
>>>>>> female	No	integer	
>>>>>> male	No	integer	
>>>>>> total	No	integer	
>>> dwellTime	No	object	
>>>> child	No	object	
>>>>>> avg	No	integer	
>>>>>> max	No	integer	
>>>>>> femaleAvg	No	integer	
>>>>>> femaleMax	No	integer	
>>>>>> maleAvg	No	integer	
>>>>>> maleMax	No	integer	

Name	Required	Type	Description
>>>> total	No	object	
>>>>> avg	No	integer	
>>>>> max	No	integer	
>>>>> femaleAvg	No	integer	
>>>>> femaleMax	No	integer	
>>>>> maleAvg	No	integer	
>>>>> maleMax	No	integer	
>>>> staff	No	object	
>>>>> avg	No	integer	
>>>>> femaleAvg	No	integer	
>>>>> femaleMax	No	integer	
>>>>> maleAvg	No	integer	
>>>>> maleMax	No	integer	
>>>>> max	No	integer	
>>> id	No	integer	
message	Yes	string	
transmitTime	Yes	integer	

- o Response example: **Success**

```

{
  "code": 0,
  "data": {
    "line": [
      {
        "child": {
          "femaleIn": 6,
          "femaleOut": 2,
          "in": 12,
          "maleIn": 6,
          "maleOut": 2,
          "out": 6
        },
        "group": {
          "in": 0,
          "out": 0
        },
        "id": 0,
        "staff": {
          "femaleIn": 0,

```

```
        "femaleOut": 0,
        "in": 0,
        "maleIn": 0,
        "maleOut": 0,
        "out": 0
    },
    "total": {
        "femaleIn": 13,
        "femaleOut": 12,
        "in": 20,
        "maleIn": 13,
        "maleOut": 12,
        "out": 17
    }
},
{
    "child": {
        "femaleIn": 29,
        "femaleOut": 24,
        "in": 33,
        "maleIn": 29,
        "maleOut": 24,
        "out": 30
    },
    "group": {
        "in": 0,
        "out": 0
    },
    "id": 1,
    "staff": {
        "femaleIn": 0,
        "femaleOut": 0,
        "in": 0,
        "maleIn": 0,
        "maleOut": 0,
        "out": 0
    },
    "total": {
        "femaleIn": 30,
        "femaleOut": 26,
        "in": 34,
        "maleIn": 30,
        "maleOut": 26,
        "out": 32
    }
}
],
"region": [
    {
        "count": {
            "child": {
                "female": 0,
                "male": 1,
                "total": 1
            },
            "staff": {
```



```

        "female": 0,
        "male": 0,
        "total": 0
    },
    "total": {
        "female": 0,
        "male": 1,
        "total": 1
    }
},
"dwellTime": {
    "child": {
        "avg": 195,
        "femaleAvg": 0,
        "femaleMax": 0,
        "maleAvg": 7,
        "maleMax": 13,
        "max": 3725
    },
    "staff": {
        "avg": 0,
        "femaleAvg": 0,
        "femaleMax": 0,
        "maleAvg": 0,
        "maleMax": 0,
        "max": 0
    },
    "total": {
        "avg": 1,
        "femaleAvg": 2,
        "femaleMax": 3,
        "maleAvg": 281,
        "maleMax": 3725,
        "max": 3
    }
},
    "id": 0
}
]
},
    "message": "ok",
    "transmitTime": 2
}

```

getRecommendHeight

- **Path:** /api/v1/system/getRecommendHeight
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get the recommended installation height.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> height	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "height": 3500
  },
  "message": "ok",
  "transmitTime": 3
}
```

Cascade

setCascadeNode

- **Path:** /api/v1/system/setCascadeNode
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

[Only the Master device can use this interface.]

To add/update node devices.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
parent	Yes	object	
>> id	Yes	integer	Range: 0-15, 0:Master device, 1-15:Node devices
>> points	Yes	[object]	Four sets of coordinate values are required.
>>> x	Yes	integer	
>>> y	Yes	integer	
>> rotation	Yes	integer	
node	Yes	object	
>> id	No	integer	1-15
>> points	Yes	[object]	Four sets of coordinate values are required.
>>> x	Yes	integer	
>>> y	Yes	integer	
>> deviceInfo	Yes	object	
>>> ip	Yes	string	
>>> httpPort	Yes	integer	
>>> sn	Yes	string	
>>> username	Yes	string	
>>> password	Yes	string	
>>> deviceName	Yes	string	
>>> deployHeight	No	integer	After connecting to the node device, the installation height of the node device will be resynchronized.
>> rotation	Yes	integer	

- Body example

```
{
  "parent": {
    "id": 0,
    "points": [
      {
        "x": 41,
```

```
        "y": 49
      },
      {
        "x": 32,
        "y": 448
      },
      {
        "x": 265,
        "y": 452
      },
      {
        "x": 265,
        "y": 55
      }
    ],
    "rotation": 0
  },
  "node": {
    "id": 1,
    "points": [
      {
        "x": 599,
        "y": 79
      },
      {
        "x": 590,
        "y": 450
      },
      {
        "x": 900,
        "y": 465
      },
      {
        "x": 910,
        "y": 77
      }
    ],
    "rotation": 0,
    "deviceInfo": {
      "ip": "192.168.60.231",
      "httpPort": 80,
      "deviceName": "People Counter",
      "sn": "6834E32339880000",
      "username": "admin",
      "password": "ms1234567",
      "deployHeight": 3200
    }
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 733
}
```

- Response example: **Cascade mode error.**

```
{
  "code": 801,
  "message": "Cascade mode error.",
  "transmitTime": 1
}
```

- Response example: **Point does not form a quadrilateral**

```
{
  "code": 808,
  "message": "Point does not form a quadrilateral",
  "transmitTime": 1
}
```

- Response example: **Cascade points error**

```
{
  "code": 809,
  "message": "Cascade points error",
  "transmitTime": 1
}
```

deleteCascadeNode

- **Path:** /api/v1/system/deleteCascadeNode
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To unbind node devices.

Master device is used to delete node devices, node devices are used to unbind.

[This interface cannot be used in standalone mode.]

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
master	No	object	
>> id	No	integer	

- Body example

```
{
  "master": {
    "id": 2
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 654
}
```

- Response example: **Cascade mode error.**

```

{
  "code": 801,
  "message": "Cascade mode error.",
  "transmitTime": 1
}

```

getCascadeInfo

- **Path:** /api/v1/system/getCascadeInfo
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get configurations related to multi-device stitching.
 [This interface cannot be used in standalone mode.]

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> cascadeMode	Yes	integer	0: Standalone, 1:Master 2: Node
>> slaveDevice	No	object	
>>> masterInfo	No	object	
>>>> ip	No	string	
>>>> sn	No	string	
>>>> deviceName	No	string	
>> masterDevice	No	object	
>>> stitchList	No	[object]	
>>>> parent	No	object	
>>>>> id	No	integer	Range: 0-15, 0:Master device, 1-15: Node devices
>>>>> rotation	No	integer	
>>>>> points	No	[object]	
>>>>>> x	No	integer	

Name	Required	Type	Description
>>>>>>>>y	No	integer	
>>>>> node	No	object	
>>>>>>> id	No	integer	Range: 0-15, 0:Master device, 1-15: Node devices
>>>>>>> rotation	No	integer	
>>>>>>> deviceInfo	No	object	
>>>>>>>> ip	No	string	
>>>>>>>> sn	No	string	
>>>>>>>>> deviceName	No	string	
>>>>>>>>> httpPort	No	integer	
>>>>>>>>> deployHeight	No	integer	
>>>>>>> points	No	[object]	
>>>>>>>>> x	No	integer	
>>>>>>>>> y	No	integer	
>>>>>>> box	No	object	
>>>>>>>>> x	No	integer	
>>>>>>>>> y	No	integer	
>>>>>>>>> w	No	integer	
>>>>>>>>> h	No	integer	
message	Yes	string	
transmitTime	Yes	integer	

- o Response example: **Master device returns**

```

{
  "code": 0,
  "data": {
    "cascadeMode": 1,
    "masterDevice": {
      "stitchList": [
        {
          "node": {
            "box": {
              "h": 540,

```



```
        "w": 960,  
        "x": 0,  
        "y": 0  
    },  
    "deviceInfo": {  
        "deployHeight": 3173,  
        "deviceName": "People Counter",  
        "httpPort": 80,  
        "ip": "192.168.60.183",  
        "sn": "6834E16179950007"  
    },  
    "id": 0  
},  
"parent": {  
    "id": -1  
}  
},  
{  
    "node": {  
        "box": {  
            "h": 868,  
            "w": 936,  
            "x": -379,  
            "y": -352  
        },  
        "deviceInfo": {  
            "deployHeight": 3200,  
            "deviceName": "People Counter",  
            "httpPort": 8080,  
            "ip": "192.168.60.232",  
            "sn": "6834E32855000001"  
        },  
        "id": 1,  
        "points": [  
            {  
                "x": 651,  
                "y": 133  
            },  
            {  
                "x": 606,  
                "y": 428  
            },  
            {  
                "x": 838,  
                "y": 434  
            },  
            {  
                "x": 828,  
                "y": 175  
            }  
        ],  
        "rotation": 0  
    },  
    "parent": {  
        "id": 0,  
        "points": [  

```

```

        {
            "x": 55,
            "y": 125
        },
        {
            "x": 79,
            "y": 409
        },
        {
            "x": 281,
            "y": 422
        },
        {
            "x": 266,
            "y": 135
        }
    ],
    "rotation": 0
}
]
}
},
"message": "ok",
"transmitTime": 2
}

```

- Response example: **Node device returns**

```

{
  "code": 0,
  "data": {
    "cascadeMode": 2,
    "slaveDevice": {
      "masterInfo": {
        "deviceName": "People Counter",
        "ip": "192.168.60.183",
        "sn": "6834E16179950007"
      }
    }
  },
  "message": "ok",
  "transmitTime": 1
}

```

- Response example: **Cascade mode error.**

```

{
  "code": 801,
  "message": "Cascade mode error.",
  "transmitTime": 45
}

```

searchDevices

- **Path:** /api/v1/system/searchDevices
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To initiate device search, searching for VS125 devices in the local area network via multicast.
[Only Master device can use this interface.]

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
type	No	integer	Default: 1, 0: All devices, 1: Node devices list

- Body example

```
{
  "type": 0
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Cascade mode error.**

```
{
  "code": 801,
  "message": "Cascade mode error.",
  "transmitTime": 1
}
```

getSearchDevices

- **Path:** /api/v1/system/getSearchDevices
- **Method:** get
- **Model:** VS125-P VS125-LOBEU

Description

To get the results of the device search, to be used in conjunction with "searchDevices".
[Only the Master device can use this interface.]

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> devices	Yes	[object]	
>>> deviceName	No	string	
>>> ip	No	string	
>>> httpPort	No	integer	
>>> sn	No	string	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "devices": [
      {
        "deviceName": "People Counter",
        "ip": "192.168.60.181",

```

```

        "httpPort": 80,
        "sn": "6834E16184430017"
    }
]
},
"message": "ok",
"transmitTime": 2
}

```

- Response example: **Cascade mode error.**

```

{
  "code": 801,
  "message": "Cascade mode error.",
  "transmitTime": 6
}

```

getCascadeFrame

- **Path:** /api/v1/system/getCascadeFrame
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To get a image frame for multi-device stitching.
[Only the Master device can use this interface.]

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
type	No	integer	0:Pseudo-color 1:Monochrome 2:No image If not set, the default image type will be used for the privacy mode settings.
resolution	No	integer	0:Low Resolution 1:High Resolution If not set, the system-configured resolution will be used.
refresh	No	boolean	To initiate the refresh of multi-device stitching image cache; if set to false and cache exists, the cache will be used directly.

- Body example

```
{
  "type": 2,
  "resolution": 1,
  "refresh": true
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> image	No	string	
>> box	No	object	
>>> x	No	integer	The x-coordinate of the top-left point of the current image in the coordinate system.
>>> y	No	integer	The y-coordinate of the top-left point of the current image in the coordinate system.
>>> w	No	integer	
>>> h	No	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "box": {
      "h": 646,
      "w": 1453,
      "x": -493,
      "y": -58
    },
    "image":
    "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD/....."
  },
  "message": "ok",
  "transmitTime": 739
}
```

- Response example: **Cascade mode error.**

```
{
  "code": 801,
  "message": "Cascade mode error.",
  "transmitTime": 3
}
```

Communication

getMqttApi

- **Path:** /api/v1/system/getMqttApi
- **Method:** get
- **Model:** VS125-L0BEU

Description

To get MQTT downlink configuration for cellular version.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	
data	Yes	object	
>> host	Yes	string	
>> port	Yes	integer	1-65535
>> username	Yes	string	
>> clientId	Yes	string	
>> passwordLength	Yes	integer	
>> qos	Yes	integer	0-2
>> topic	Yes	string	
>> tls	Yes	boolean	
>> certificateType	Yes	integer	0:ca 1:self

Name	Required	Type	Description
>> rootCertName	Yes	string	If no certificate exists, it is empty.
>> clientCertName	Yes	string	If no certificate exists, it is empty.
>> clientKeyName	Yes	string	If no certificate exists, it is empty.

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "certificateType": 0,
    "clientCertName": "",
    "clientId": "",
    "clientKeyName": "",
    "host": "",
    "passwordLength": 0,
    "port": 0,
    "qos": 0,
    "rootCertName": "1.bin",
    "tls": false,
    "topic": "",
    "username": ""
  },
  "message": "ok",
  "transmitTime": 1
}
```

get8021xInfo

- Path:** /api/v1/system/get8021xInfo
- Method:** get
- Model:** VS125-P

Description

To get 802.1x-related interfaces.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> enable	Yes	boolean	

Name	Required	Type	Description
>> authType	Yes	integer	0:MD5 1:tls
>> eapolVersion	Yes	integer	0:2001 1:2004
>> username	Yes	string	
>> passwordLength	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "authType": 0,
    "eapolVersion": 0,
    "enable": false,
    "passwordLength": 0,
    "username": ""
  },
  "message": "ok",
  "transmitTime": 1
}
```

getWebHttp

- **Path:** /api/v1/system/getWebHttp
- **Method:** get
- **Model:** VS125-P

Description

To get the web's HTTP/HTTPS configuration.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> http	Yes	object	
>> >> enable	Yes	boolean	

Name	Required	Type	Description
>> >> port	Yes	integer	1-65535
>> https	Yes	object	
>> >> enable	Yes	boolean	
>> >> port	Yes	integer	
>> >> certificateType	Yes	integer	0:Self-signed certificate 1:CA-signed certificate
>> >> certificateSelf	Yes	object	
>> >> >> country	Yes	string	
>> >> >> state	Yes	string	
>> >> >> locality	Yes	string	
>> >> >> organization	Yes	string	
>> >> >> organizationUnit	Yes	string	
>> >> >> commonName	Yes	string	
>> >> >> validityPeriodStart	Yes	string	
>> >> >> validityPeriodEnd	Yes	string	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "http": {
      "enable": true,
      "port": 80
    },
    "https": {
      "certificateSelf": {
        "commonName": "People Counter",
        "country": "US",
        "locality": "Some Location",
        "organization": "Internet Widgits Pty Ltd",
        "organizationUnit": "Internet Widgits Pty Ltd",
        "state": "Some State",
        "validityPeriodEnd": "Oct 1 08:19:01 2024 GMT",

```

```

        "validityPeriodStart": "Aug 31 08:19:01 2023 GMT"
      },
      "certificateType": 0,
      "enable": true,
      "port": 443
    }
  },
  "message": "ok",
  "transmitTime": 3
}

```

getWifiConfig

- **Path:** /api/v1/system/getWifiConfig
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get Wi-Fi-related parameters.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> enable	Yes	boolean	
>> ssid	Yes	string	
>> bandwidth	Yes	integer	0: 40M 1: 20M
>> channel	Yes	integer	Range: 0-13; 0:auto
>> cipher	Yes	integer	0: aes 1: tkip 2: aes/tkip
>> protocol	Yes	integer	0: 802.b 1: 802.g 2: 802.n
>> securityMode	Yes	integer	0:none 3:wpa 4:wpa2 5:wpa/wpa2
>> passwordLength	Yes	integer	
>> bandwidthList	Yes	object	
>>> 0	Yes	string	
>>> 1	Yes	string	

Name	Required	Type	Description
>> cipherList	Yes	object	
>>> 0	Yes	string	
>>> 1	Yes	string	
>>> 2	Yes	string	
>> protocolList	Yes	object	
>>> 0	Yes	string	
>>> 1	Yes	string	
>>> 2	Yes	string	
>> securityModeList	Yes	object	
>>> 0	Yes	string	
>>> 3	Yes	string	
>>> 4	Yes	string	
>>> 5	Yes	string	
>> gateway	Yes	string	
>> country	Yes	string	
message	Yes	string	
transmitTime	Yes	integer	

- o Response example: **Success**

```

{
  "code": 0,
  "data": {
    "bandwidth": 1,
    "bandwidthList": {
      "0": "40MHZ",
      "1": "20MHZ"
    },
    "channel": 0,
    "cipher": 0,
    "cipherList": {
      "0": "AES",
      "1": "TKIP",
      "2": "AES/TKIP"
    },
    "country": "CN",
    "enable": true,
    "gateway": "192.168.1.1",
    "passwordLength": 0,
    "protocol": 2,
  }
}

```

```

    "protocolList": {
      "0": "802.11b (2.4G)",
      "1": "802.11g (2.4G)",
      "2": "802.11n (2.4G)"
    },
    "securityMode": 0,
    "securityModeList": {
      "0": "No Encryption",
      "3": "WPA-PSK",
      "4": "WPA2-PSK",
      "5": "WPA-PSK/WPA2-PSK"
    },
    "ssid": "People Counter_151617"
  },
  "message": "ok",
  "transmitTime": 3
}

```

getEthConfig

- **Path:** /api/v1/system/getEthConfig
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get Eth-related configurations.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> dhcp	Yes	boolean	
>> gateway	Yes	string	
>> ip	Yes	string	
>> mtu	Yes	integer	
>> primaryDns	Yes	string	
>> secondaryDns	Yes	string	
>> subnetMask	Yes	string	
message	Yes	string	

Name	Required	Type	Description
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "dhcp": false,
    "gateway": "192.168.60.1",
    "ip": "192.168.60.181",
    "mtu": 1499,
    "primaryDns": "8.8.8.8",
    "secondaryDns": "114.114.114.114",
    "subnetMask": "255.255.255.0"
  },
  "message": "ok",
  "transmitTime": 1
}
```

setWebHttp

- Path:** /api/v1/system/setWebHttp
- Method:** post
- Model:** VS125-P

Description

To set web-related HTTP and HTTPS configurations.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
http	Yes	object	
>> enable	Yes	boolean	
>> port	Yes	integer	
https	Yes	object	
>> port	Yes	integer	

Name	Required	Type	Description
>> certificateType	Yes	integer	0:Self-signed certificate 1:CA-signed certificate Only support Self-signed certificate currently.
>> certificateSelf	Yes	object	
>>> country	Yes	string	
>>> state	Yes	string	
>>> locality	Yes	string	
>>> organization	Yes	string	
>>> organizationUnit	Yes	string	
>>> commonName	Yes	string	
>>> validityPeriod	Yes	integer	

- Body example

```
{
  "http": {
    "enable": true,
    "port": 80
  },
  "https": {
    "certificateSelf": {
      "commonName": "People Counter",
      "country": "US",
      "locality": "Some Location",
      "organization": "Internet Widgits Pty Ltd",
      "organizationUnit": "Internet Widgits Pty Ltd",
      "state": "Some State",
      "validityPeriod": 20
    },
    "certificateType": 0,
    "port": 443
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 1061
}
```

- Response example: **Port is already occupied.**

```
{
  "code": 3001,
  "message": "Port is already occupied.",
  "transmitTime": 4
}
```

set8021xInfo

- **Path:** /api/v1/system/set8021xInfo
- **Method:** post
- **Model:** VS125-P

Description

To set 802.1x configuration.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
authType	Yes	integer	0:MD5 1:tls
eapolVersion	Yes	integer	0:2001 1:2004
enable	Yes	boolean	
password	Yes	string	
username	Yes	string	

- Body example

```
{
  "authType": 0,
  "eapolVersion": 0,
  "enable": true,
  "password": "ms123456",
  "username": "admin"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 142
}
```

setMqttApi

- **Path:** /api/v1/system/setMqttApi
- **Method:** post
- **Model:** VS125-L0BEU

Description

To set MQTT downlink configuration for cellular version.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
host	Yes	string	
port	Yes	integer	1-65535
clientId	No	string	
topic	Yes	string	
username	Yes	string	
password	Yes	string	
qos	Yes	integer	0-2
tls	Yes	boolean	
certificateType	Yes	integer	0:ca 1:self
deleteRootCert	Yes	boolean	
deleteClientCert	Yes	boolean	
deleteClientKey	Yes	boolean	

- Body example

```

{
  "certificateType": 0,
  "host": "",
  "port": 8883,
  "clientId": "1",
  "topic": "vs125",
  "username": "admin",
  "password": "99999",
  "qos": 2,
  "tls": true,
  "deleteRootCert": true,
  "deleteClientCert": true,
  "deleteClientkey": true
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	

Name	Required	Type	Description
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 13
}
```

setWifiConfig

- **Path:** /api/v1/system/setWifiConfig
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set Wi-Fi-related configurations.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
enable	No	boolean	
ssid	No	string	
bandwidth	No	integer	0:40M 1:20M
channel	No	integer	Range: 0-13 0:auto
securityMode	No	integer	0:none 3:wpa 4:wpa2 5:wpa/wpa2
cipher	No	integer	0:aes 1:tkip 2:aes/tkip
protocol	No	integer	0: 802.b 1: 802.g 2: 802.n
password	No	string	Length needs to be greater than 8.
gateway	Yes	string	

- Body example

```
{
  "enable": true,
  "ssid": "People Counter_013346",
  "protocol": 2,
  "bandwidth": 0,
  "channel": 0,
  "securityMode": 0,
  "cipher": 0,
  "gateway": "192.168.1.1",
  "password": "123456789"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Wifi password length error.**

```
{
  "code": 501,
  "message": "Wifi password length error.",
  "transmitTime": 1
}
```

- Response example: **Wifi gateway is invalid.**

```
{
  "code": 502,
  "message": "Wifi gateway is invalid.",
  "transmitTime": 8
}
```

- Response example: **Network conflict.**

```
{
  "code": 3003,
  "message": "Network conflict.",
  "transmitTime": 88
}
```

setEthConfig

- **Path:** /api/v1/system/setEthConfig
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set Eth-related configurations.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
dhcp	No	boolean	
ip	No	string	
subnetMask	No	string	
gateway	No	string	
primaryDns	No	string	
secondaryDns	No	string	
mtu	No	integer	1200-1500

- Body example

```
{
  "dhcp": false,
  "gateway": "192.168.60.1",
  "ip": "192.168.60.181",
  "mtu": 1500,
  "primaryDns": "8.8.8.8",
  "secondaryDns": "114.114.114.114",
  "subnetMask": "255.255.255.0"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 48
}
```

- Response example: **Network conflict.**

```
{
  "code": 3003,
  "message": "Network conflict.",
  "transmitTime": 88
}
```

Cellular

getCellularInfo

- **Path:** /api/v1/system/getCellularInfo
- **Method:** get
- **Model:** VS125-L0BEU

Description

To get Cellular-related configurations.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	

Name	Required	Type	Description
data	Yes	object	
>> apn	Yes	string	
>> username	Yes	string	
>> password	Yes	string	
>> pinCode	Yes	string	
>> authType	Yes	integer	0:None 1:PAP 2:CHAP
>> restartDialUpFailed	Yes	boolean	
>> icmp	Yes	object	
>>> server	Yes	string	
>>> retriesMax	Yes	integer	
>>> timeout	Yes	integer	
>>> interval	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "apn": "",
    "authType": 0,
    "icmp": {
      "interval": 15,
      "retriesMax": 3,
      "server": "8.8.8.8",
      "timeout": 5
    },
    "password": "",
    "pinCode": "",
    "restartDialUpFailed": false,
    "username": ""
  },
  "message": "ok",
  "transmitTime": 2
}
```

setCellularInfo

- **Path:** /api/v1/system/setCellularInfo
- **Method:** post

- **Model:** VS125-LOBEU

Description

To set Cellular-related configurations.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
apn	No	string	
username	No	string	
password	No	string	
pinCode	No	string	
authType	No	integer	0:None 1: PAP 2:CHAP
restartDialUpFailed	No	boolean	
icmp	No	object	
>> server	No	string	
>> retriesMax	No	integer	
>> timeout	No	integer	
>> interval	No	integer	

- Body example

```
{
  "apn": "",
  "authType": 0,
  "icmp": {
    "interval": 15,
    "retriesMax": 3,
    "server": "8.8.8.8",
    "timeout": 5
  },
  "password": "",
  "pinCode": "",
  "restartDialUpFailed": false,
  "username": ""
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 9
}
```

getCellularDetail

- **Path:** /api/v1/system/getCellularDetail
- **Method:** get
- **Model:** VS125-L0BEU

Description

To get detailed cellular informations.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> modemStatus	Yes	integer	0: No sim card. 1: sim card error. 2: pin code error. 3: Need pin code. 4: Need puk code. 5: No signal. 6: Ready.

Name	Required	Type	Description
>> model	Yes	string	
>> version	Yes	string	
>> signalLevel	Yes	string	
>> registerStatus	Yes	integer	0: Not registered 1: Registered 2: Searching 3: Denied 4: Unknown 5: Roaming 6: Registering
>> imei	Yes	string	
>> imsi	Yes	string	
>> iccid	Yes	string	
>> isp	Yes	string	
>> networkType	Yes	string	
>> plmnId	Yes	string	
>> lac	Yes	string	
>> cellId	Yes	string	
>> networkStatus	Yes	integer	1: Connected 2: Disconnected
>> ip	Yes	string	
>> mask	Yes	string	
>> gateway	Yes	string	
>> dns	Yes	string	
>> connectDuration	Yes	integer	Unit: s
message	Yes	string	
transmitTime	Yes	integer	

- o Response example: **Success**

```
{
  "code": 0,
  "data": {
    "cellId": "0E0B70B",
    "connectDuration": 0,
    "dns": "0.0.0.0",
    "gateway": "0.0.0.0",
    "iccid": "-",
  }
}
```

```
    "imei": "862990062466528",
    "imsi": "-",
    "ip": "0.0.0.0",
    "isp": "-",
    "lac": "5F0C",
    "mask": "0.0.0.0",
    "model": "EG800G",
    "modemStatus": 0,
    "networkStatus": 2,
    "networkType": "-",
    "plmnId": "-",
    "registerStatus": 2,
    "signalLevel": "12asu(-89dBm)",
    "version": "EG800GEULDR01A09M04"
  },
  "message": "ok",
  "transmitTime": 3
}
```

Recipient

getRecipientList

- **Path:** /api/v1/system/getRecipientList
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get the list of report recipients, sorted by the order of addition rather than by ID.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	[object]	
>> id	Yes	integer	
>> name	Yes	string	
>> protocol	Yes	integer	0:mqtt 1:http
>> http	Yes	object	
>>> url	Yes	string	
>>> username	Yes	string	

Name	Required	Type	Description
>> >> passwordLength	Yes	integer	
>> mqtt	Yes	object	
>> >> host	Yes	string	
>> >> port	Yes	integer	1-65535
>> >> clientId	Yes	string	
>> >> username	Yes	string	
>> >> passwordLength	Yes	integer	
>> >> topic	Yes	string	
>> >> qos	Yes	integer	0-2
>> >> tls	Yes	boolean	
>> >> certificateType	Yes	integer	0:ca 1:self
>> >> rootCertName	Yes	string	If no certificate exists, it is empty.
>> >> clientCertName	Yes	string	If no certificate exists, it is empty.
>> >> clientKeyName	Yes	string	If no certificate exists, it is empty.
>> strategy	Yes	object	
>> >> trigger	Yes	boolean	
>> >> period	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> mode	Yes	integer	0:on the dot 1:from now on
>> >> >> onDotMin	Yes	integer	
>> >> >> intervalMin	Yes	integer	
>> >> retransmis	Yes	boolean	
>> >> customContent	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> device	Yes	object	
>> >> >> >> firmwareVer	Yes	boolean	
>> >> >> >> hardwareVer	Yes	boolean	

Name	Required	Type	Description
>>>>>> ip	Yes	boolean	
>>>>>> mac	Yes	boolean	
>>>>>> name	Yes	boolean	
>>>>>> runningTime	Yes	boolean	
>>>>>> sn	Yes	boolean	
>>>>>> customDeviceId	Yes	boolean	
>>>>>> customSiteId	Yes	boolean	
>>>>> linePeriod	Yes	boolean	
>>>>> lineTotal	Yes	object	
>>>>>> capacity	Yes	boolean	
>>>>>> count	Yes	boolean	
>>>>> regionTrigger	Yes	object	
>>>>>> count	Yes	boolean	
>>>>>> dwellStartTime	Yes	boolean	
>>>>>> dwellTime	Yes	boolean	
>>>>> time	Yes	object	
>>>>>> dstEnable	Yes	boolean	
>>>>>> dstStatus	Yes	boolean	
>>>>>> endTime	Yes	boolean	
>>>>>> startTime	Yes	boolean	
>>>>>> timeZone	Yes	boolean	
>>>>>> triggerTime	Yes	boolean	
>>>>> lineTrigger	Yes	boolean	
>>>>> name	Yes	boolean	
>>>>> regionPeriod	Yes	boolean	
>>>>> uuid	Yes	boolean	
>>>>> network	Yes	object	
>>>>>> cellId	Yes	boolean	

Name	Required	Type	Description
>>>>>> iccid	Yes	boolean	
>>>>>> imei	Yes	boolean	
>>>>>> lac	Yes	boolean	
>>>>>> status	Yes	boolean	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": [
    {
      "http": {
        "passwordLength": 0,
        "url": "",
        "username": ""
      },
      "id": 0,
      "mqtt": {
        "certificateType": 0,
        "clientCertName": "",
        "clientId": "mvFmohIqyi6iPT78a_ZpI27c3g7siF40",
        "clientkeyName": "",
        "host": "112.48.19.183",
        "passwordLength": 8,
        "port": 10566,
        "qos": 0,
        "rootCertName": "",
        "tls": false,
        "topic": "VS125_2",
        "username": "admin"
      },
      "name": "Recipient",
      "protocol": 0,
      "strategy": {
        "customContent": {
          "device": {
            "customDeviceId": true,
            "customSiteId": true,
            "firmwareVer": true,
            "hardwareVer": true,
            "ip": true,
            "mac": true,
            "name": true,
            "runningTime": true,
            "sn": true
          },
          "enable": false,

```

```
        "linePeriod": true,
        "lineTotal": {
            "capacity": true,
            "count": true
        },
        "lineTrigger": true,
        "name": true,
        "network": {
            "cellId": true,
            "iccid": true,
            "imei": true,
            "lac": true,
            "status": true
        },
        "regionPeriod": true,
        "regionTrigger": {
            "count": true,
            "dwellStartTime": true,
            "dwellTime": true
        },
        "time": {
            "dstEnable": true,
            "dstStatus": true,
            "endTime": true,
            "startTime": true,
            "timeZone": true,
            "tirggerTime": true
        },
        "uuid": true
    },
    "period": {
        "enable": true,
        "intervalMin": 5,
        "mode": 0,
        "onDotMin": 60
    },
    "retransmis": false,
    "trigger": true
}
},
{
    "http": {
        "passwordLength": 0,
        "url": "https://ptsv3.com/t/chenjs_vs125/",
        "username": ""
    },
    "id": 1,
    "mqtt": {
        "certificateType": 0,
        "clientCertName": "",
        "clientId": "",
        "clientKeyName": "",
        "host": "",
        "passwordLength": 0,
        "port": -1,
        "qos": 0,
```

```
"rootCertName": "",
"tls": false,
"topic": "",
"username": ""
},
"name": "Recipient",
"protocol": 1,
"strategy": {
  "customContent": {
    "device": {
      "customDeviceId": true,
      "customSiteId": true,
      "firmwareVer": true,
      "hardwareVer": true,
      "ip": true,
      "mac": true,
      "name": true,
      "runningTime": true,
      "sn": true
    },
    "enable": false,
    "linePeriod": true,
    "lineTotal": {
      "capacity": true,
      "count": true
    },
    "lineTrigger": true,
    "name": true,
    "network": {
      "cellId": true,
      "iccid": true,
      "imei": true,
      "lac": true,
      "status": true
    },
    "regionPeriod": true,
    "regionTrigger": {
      "count": true,
      "dwellStartTime": true,
      "dwellTime": true
    },
    "time": {
      "dstEnable": true,
      "dstStatus": true,
      "endTime": true,
      "startTime": true,
      "timeZone": true,
      "tirggerTime": true
    },
    "uuid": true
  },
  "period": {
    "enable": true,
    "intervalMin": 5,
    "mode": 0,
    "onDotMin": 60
  }
}
```



```

        },
        "retransmis": false,
        "trigger": false
    }
}
],
"message": "ok",
"transmitTime": 4
}

```

- Response example: **When there is no data**

```

{
  "code": 0,
  "data": [],
  "message": "ok",
  "transmitTime": 1
}

```

setRecipient

- **Path:** /api/v1/system/setRecipient
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set report recipients. If no ID is specified, a new recipient will be added, and an ID will be automatically assigned.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
id	Yes	integer	Recipient ID
name	Yes	string	Recipient name
protocol	Yes	integer	0:mqtt 1:http
http	Yes	object	
>> url	Yes	string	
>> username	Yes	string	
>> password	No	string	Do not send the password field when the password has not been changed.

Name	Required	Type	Description
mqtt	Yes	object	
>> host	Yes	string	
>> port	Yes	integer	1-65535
>> clientId	Yes	string	
>> username	Yes	string	
>> password	No	string	Do not send the password field when the password has not been changed.
>> topic	Yes	string	
>> qos	Yes	integer	0-2
>> tls	Yes	boolean	
>> certificateType	Yes	integer	0:ca,1:self
>> deleteRootCert	Yes	boolean	
>> deleteClientCert	Yes	boolean	
>> deleteClientKey	Yes	boolean	
strategy	Yes	object	
>> trigger	Yes	boolean	
>> period	Yes	object	
>>> enable	Yes	boolean	
>>> mode	Yes	integer	0: On the Dot 1: From Now On
>>> onDotMin	Yes	integer	5-720
>>> intervalMin	Yes	integer	1-1080
>> retransmis	Yes	boolean	
>> customContent	Yes	object	
>>> enable	Yes	boolean	
>>> device	Yes	object	
>>>> name	Yes	boolean	
>>>> sn	Yes	boolean	
>>>> mac	Yes	boolean	
>>>> ip	Yes	boolean	

Name	Required	Type	Description
>>>> customDeviceId	Yes	boolean	
>>>> customSiteId	Yes	boolean	
>>>> runningTime	Yes	boolean	
>>>> firmwareVer	Yes	boolean	
>>>> hardwareVer	Yes	boolean	
>>> time	Yes	object	
>>>> tirggerTime	Yes	boolean	
>>>> startTime	Yes	boolean	
>>>> endTime	Yes	boolean	
>>>> timeZone	Yes	boolean	
>>>> dstEnable	Yes	boolean	
>>>> dstStatus	Yes	boolean	
>>> lineTrigger	Yes	boolean	
>>> linePeriod	Yes	boolean	
>>> lineTotal	Yes	object	
>>>> count	Yes	boolean	
>>>> capacity	Yes	boolean	
>>> regionTrigger	Yes	object	
>>>> count	Yes	boolean	
>>>> dwellTime	Yes	boolean	
>>>> dwellStartTime	Yes	boolean	
>>> regionPeriod	Yes	boolean	
>>> name	Yes	boolean	
>>> uuid	Yes	boolean	
>>> network	Yes	object	

Name	Required	Type	Description
>>>> status	Yes	boolean	
>>>> iccid	Yes	boolean	
>>>> imei	Yes	boolean	
>>>> cellId	Yes	boolean	
>>>> lac	Yes	boolean	

- Body example

```
{
  "id": 0,
  "name": "Recipient0",
  "protocol": 0,
  "http": {
    "url": "192.168.60.62:2000",
    "username": "admin",
    "password": "ms123456"
  },
  "mqtt": {
    "host": "192.168.60.188",
    "port": 8883,
    "clientId": "1245678981",
    "username": "admin",
    "password": "ms123456",
    "topic": "vs125",
    "qos": 2,
    "tls": true,
    "certificateType": 1,
    "deleteRootCert": true,
    "deleteClientCert": false,
    "deleteClientKey": true
  },
  "strategy": {
    "trigger": false,
    "period": {
      "enable": false,
      "mode": 0,
      "onDotMin": 60,
      "intervalMin": 5
    }
  },
  "retransmis": true,
  "customContent": {
    "device": {
      "customDeviceId": true,
      "customSiteId": true,
      "firmwareVer": true,
      "hardwareVer": true,
      "ip": true,
      "mac": true,
      "name": true,
      "runningTime": true,

```

```

        "sn": true
    },
    "enable": true,
    "linePeriod": true,
    "lineTotal": {
        "capacity": true,
        "count": true
    },
    "lineTrigger": true,
    "name": true,
    "network": {
        "cellId": true,
        "iccid": true,
        "imei": true,
        "lac": true,
        "status": true
    },
    "regionPeriod": true,
    "regionTrigger": {
        "count": true,
        "dwellStartTime": true,
        "dwellTime": true
    },
    "time": {
        "dstEnable": true,
        "dstStatus": true,
        "endTime": true,
        "startTime": true,
        "timeZone": true,
        "tirggerTime": true
    },
    "uuid": true
}
}
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	
data	Yes	object	
>> id	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "id": 0
  },
  "message": "ok",
  "transmitTime": 5
}
```

- Response example: **Recipient quantity reaches upper limit.**

```
{
  "code": 402,
  "message": "Recipient quantity reaches upper limit.",
  "transmitTime": 1
}
```

- Response example: **Mqtt clientId already exists.**

```
{
  "code": 403,
  "message": "Mqtt clientId already exists.",
  "transmitTime": 2
}
```

deleteRecipient

- **Path:** /api/v1/system/deleteRecipient
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To delete recipient.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
id	Yes	integer	

- Body example

```
{
  "id": 0
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 4
}
```

- Response example: **Recipient is not exist.**

```
{
  "code": 401,
  "message": "Recipient is not exist.",
  "transmitTime": 1
}
```

Report

searchReport

- **Path:** /api/v1/system/searchReport
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To initiate a request to get database data. (non-blocking)

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
event	Yes	integer	0: Line Crossing Detection 1: Region Detection 2: Dwell Detection 3: Heat Map
uuid	Yes	string	Generate a random UUID.
startTime	Yes	string	Format as YYYY-MM-DDTHH:MM:SS.sss
endTime	Yes	string	Format as YYYY-MM-DDTHH:MM:SS.sss
lineParam	No	object	Line-crossing detection parameters, fill in when event=0
>> lineId	No	integer	
>> timeUnit	No	integer	0: hour 1: day 2: month 3: specified time interval
>> timeBinWidth	No	integer	Fill in when timeUnit=3.
regionCount	No	object	Region detection parameters, fill in when event=1.
>> regionId	No	integer	
dwellDetect	No	object	Dwell detection parameters, fill in when event=2.
>> regionId	No	integer	
>> timeMin	No	integer	
>> timeBinWidth	No	integer	
>> numOfBins	No	integer	
heatMap	No	object	
>> type	No	integer	0: motion 1: dwell

- Body example

```
{
  "event": 2,
  "startTime": "1970-01-09T11:11:51.000",
  "endTime": "2024-04-10T11:11:51.000",
}
```



```

"lineParam": {
  "lineId": 1,
  "timeUnit": 0,
  "timeBinwidth": 10
},
"regionCount": {
  "regionId": 0
},
"dwellDetect": {
  "regionId": 0,
  "timeMin": 10,
  "timeBinwidth": 10,
  "numOfBins": 10
},
"heatMap": {
  "type": 1
},
"uuid": "519b38e3-d3d4-40d3-9b79-da231e3a5582"
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```

{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}

```

- Response example: **Report task already exist.**

```

{
  "code": 201,
  "message": "Report task already exist.",
  "transmitTime": 1
}

```

getReportResult

- **Path:** /api/v1/system/getReportResult
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To query report results, where the UUID must be the same as the UUID from the "searchReport" interface.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
uuid	Yes	string	

- Body example

```
{  
  "uuid": "519b38e3-d3d4-40d3-9b79-da231e3a5582"  
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> event	Yes	integer	
>> isReady	Yes	boolean	
>> line	No	[object]	
>> >> children	No	object	
>> >> >> femaleIn	Yes	integer	

Name	Required	Type	Description
>>>> femaleOut	Yes	integer	
>>>> in	Yes	integer	
>>>> maleIn	Yes	integer	
>>>> maleOut	Yes	integer	
>>>> out	Yes	integer	
>>> staff	No	object	
>>>> femaleIn	Yes	integer	
>>>> femaleOut	Yes	integer	
>>>> in	Yes	integer	
>>>> maleIn	Yes	integer	
>>>> maleOut	Yes	integer	
>>>> out	Yes	integer	
>>> total	No	object	Including staffs and children.
>>>> femaleIn	Yes	integer	
>>>> femaleOut	Yes	integer	
>>>> in	Yes	integer	
>>>> maleIn	Yes	integer	
>>>> maleOut	Yes	integer	
>>>> out	Yes	integer	
>>> time	No	string	Format as YYYY-MM-DDTHH:MM:SS.sss
>>> group	No	object	
>>>> in	No	integer	
>>>> out	No	integer	
>> region	No	[object]	
>>> children	No	object	
>>>> female	No	integer	
>>>> male	No	integer	

Name	Required	Type	Description
>>>> total	No	integer	
>>> total	No	object	Including staffs and children.
>>>> female	No	integer	
>>>> male	No	integer	
>>>> total	No	integer	
>>> staff	No	object	
>>>> female	No	integer	
>>>> male	No	integer	
>>>> total	No	integer	
>>> time	No	string	Format as YYYY-MM-DDTHH:MM:SS.sss
>> dwell	No	[object]	
>>> time	No	integer	
>>> total	No	object	Including staffs and children.
>>>> female	Yes	integer	
>>>> male	Yes	integer	
>>>> total	Yes	integer	
>>> staff	No	object	
>>>> female	Yes	integer	
>>>> male	Yes	integer	
>>>> total	Yes	integer	
>>> children	No	object	
>>>> female	Yes	integer	
>>>> male	Yes	integer	
>>>> total	Yes	integer	
>> heatMap	No	object	
>>> height	No	integer	
>>> width	No	integer	
>>> max	No	integer	
>>> min	No	integer	

Name	Required	Type	Description
>>> values	No	[object]	Points where the heat value is not zero.
>>>> value	No	integer	
>>>>> x	No	integer	
>>>>> y	No	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success (Data is not ready)**

```
{
  "code": 0,
  "data": {
    "event": 0,
    "isReady": false
  },
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Success (Line Cross Counting)**

```
{
  "code": 0,
  "data": {
    "event": 0,
    "isReady": true,
    "line": [
      {
        "children": {
          "femaleIn": 0,
          "femaleOut": 1,
          "in": 6,
          "maleIn": 6,
          "maleOut": 0,
          "out": 1
        },
        "group": {
          "in": 9,
          "out": 3
        },
        "staff": {
          "femaleIn": 0,
          "femaleOut": 0,
          "in": 0,
          "maleIn": 0,
          "maleOut": 0,
          "out": 0
        }
      }
    ]
  }
}
```

```

    },
    "time": "2024-08-15T09:00:00.000",
    "total": {
      "femaleIn": 0,
      "femaleOut": 1,
      "in": 9,
      "maleIn": 9,
      "maleOut": 2,
      "out": 3
    }
  }
]
},
"message": "ok",
"transmitTime": 1
}

```

- o Response example: **Success (Region Monitoring)**

```

{
  "code": 0,
  "data": {
    "event": 1,
    "isReady": true,
    "region": [
      {
        "children": {
          "female": 0,
          "male": 0,
          "total": 0
        },
        "staff": {
          "female": 0,
          "male": 0,
          "total": 0
        },
        "time": "2024-08-08T03:53:02.000",
        "total": {
          "female": 0,
          "male": 2,
          "total": 3
        }
      }
    ],
    {
      "children": {
        "female": 0,
        "male": 0,
        "total": 0
      },
      "staff": {
        "female": 0,
        "male": 0,
        "total": 0
      },
      "time": "2024-08-08T03:55:12.000",
      "total": {

```

```

        "female": 0,
        "male": 1,
        "total": 2
    },
    {
        "children": {
            "female": 0,
            "male": 1,
            "total": 2
        },
        "staff": {
            "female": 0,
            "male": 0,
            "total": 0
        },
        "time": "2024-08-08T03:56:19.000",
        "total": {
            "female": 0,
            "male": 1,
            "total": 2
        }
    }
]
},
"message": "ok",
"transmitTime": 8
}

```

- o Response example: **Success (Dwell Time)**

```

{
  "code": 0,
  "data": {
    "dwell": [
      {
        "children": {
          "female": 0,
          "male": 0,
          "total": 0
        },
        "staff": {
          "female": 0,
          "male": 0,
          "total": 0
        },
        "time": 80,
        "total": {
          "female": 0,
          "male": 0,
          "total": 1
        }
      }
    ],
    {
      "children": {
        "female": 0,

```

```
        "male": 0,
        "total": 0
    },
    "staff": {
        "female": 0,
        "male": 1,
        "total": 1
    },
    "time": 90,
    "total": {
        "female": 0,
        "male": 1,
        "total": 1
    }
},
{
    "children": {
        "female": 0,
        "male": 1,
        "total": 1
    },
    "staff": {
        "female": 0,
        "male": 0,
        "total": 0
    },
    "time": 200,
    "total": {
        "female": 0,
        "male": 1,
        "total": 1
    }
},
{
    "children": {
        "female": 0,
        "male": 1,
        "total": 1
    },
    "staff": {
        "female": 0,
        "male": 0,
        "total": 0
    },
    "time": 240,
    "total": {
        "female": 0,
        "male": 1,
        "total": 1
    }
}
],
"event": 2,
"isReady": true
},
"message": "ok",
```



```
"transmitTime": 1
}
```

- Response example: **Success (Heat Map)**

```
{
  "code": 0,
  "data": {
    "event": 3,
    "heatMap": {
      "height": 135,
      "max": 4,
      "min": 0,
      "values": [
        {
          "value": 4,
          "x": 0,
          "y": 0
        },
        {
          "value": 4,
          "x": 10,
          "y": 0
        },
        {
          "value": 4,
          "x": 20,
          "y": 0
        },
        {
          "value": 4,
          "x": 30,
          "y": 0
        }
      ],
      "width": 240
    },
    "isReady": true
  },
  "message": "ok",
  "transmitTime": 155
}
```

- Response example: **Report task does not exist.**

```
{
  "code": 202,
  "message": "Report task does not exist.",
  "transmitTime": 1
}
```

Image

getImageInfo

- **Path:** /api/v1/system/getImageInfo
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get image parameters.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> brightness	Yes	integer	1-10
>> dayNightMode	Yes	integer	0:auto 1:day 2:night 3:schedule
>> powerFrequency	Yes	integer	0:50Hz 1:60Hz
>> schedule	Yes	object	
>>> end	Yes	integer	Unit: min, Range: 0-1439
>>> start	Yes	integer	Unit: min, Range: 0-1439
>> sensitivity	Yes	integer	1-10
>> wdr	Yes	object	
>>> enable	Yes	boolean	
>>> level	Yes	integer	0: auto 1: low 2: high
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "brightness": 5,
    "dayNightMode": 0,
```

```

    "powerFrequency": 0,
    "schedule": {
      "end": 1439,
      "start": 1140
    },
    "sensitivity": 5,
    "wdr": {
      "enable": false,
      "level": 0
    }
  },
  "message": "ok",
  "transmitTime": 4
}

```

setImageInfo

- **Path:** /api/v1/system/setImageInfo
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set image parameters.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
brightness	Yes	integer	1-10
dayNightMode	Yes	integer	0:auto 1:day 2:night 3:schedule
powerFrequency	Yes	integer	0:50Hz 1:60Hz
schedule	Yes	object	
>> end	Yes	integer	Unit: min, Range: 0-1439
>> start	Yes	integer	Unit: min, Range: 0-1439
sensitivity	Yes	integer	1-10
wdr	Yes	object	
>> enable	Yes	boolean	
>> level	Yes	integer	0: auto 1: low 2: high

- Body example

```
{
  "brightness": 6,
  "dayNightMode": 1,
  "powerFrequency": 1,
  "schedule": {
    "end": 1400,
    "start": 1140
  },
  "sensitivity": 6,
  "wdr": {
    "enable": true,
    "level": 1
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 14
}
```

getOneFrame

- **Path:** /api/v1/system/getOneFrame
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To get a frame of image.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
type	No	integer	0: Pseudo-color 1: Monochrome It is possible not to set the default image type to use the privacy mode settings.
resolution	No	integer	0:Low Resolution 1:High Resolution If not set, the system-configured resolution will be used.

- Body example

```
{
  "type": 1,
  "resolution": 1
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> image	Yes	string	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "image": "/9j/4AAQskZJRgABAQAAQABAAD/....."
  },
  "message": "ok",
  "transmitTime": 80
}
```

System

getSshInfo

- **Path:** /api/v1/system/getSshInfo
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get SSH-related information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> enable	Yes	boolean	
>> port	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "enable": true,
    "port": 22
  },
  "message": "ok",
  "transmitTime": 2
}
```

getSystemInfo

- **Path:** /api/v1/system/getSystemInfo
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

[No authentication required interface]

To get system information, including whether the device is activated (whether it has an admin account), OEM information, and privacy mode.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> isActive	Yes	boolean	
>> title	Yes	string	
>> oemInfo	Yes	object	
>>> enable	Yes	boolean	
>>> id	Yes	integer	
>> hardwareType	Yes	integer	
>> privacy	Yes	object	
>>> imageType	Yes	integer	0:Depth map 1:Monochrome
>>> hasSet	Yes	boolean	
>>> resolution	Yes	integer	0:low 1:high
>>> scenePreview	Yes	integer	0:Video Stream 1:Static Image 2:No Image
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "hardwareType": 0,
    "isActive": true,
    "oemInfo": {
      "enable": false,
      "id": 0
    }
  },
}
```

```
    "privacy": {
      "hasSet": true,
      "imageType": 0,
      "resolution": 0,
      "scenePreview": 0
    },
    "title": "AI Stereo Vision People Counter"
  },
  "message": "ok",
  "transmitTime": 1
}
```

setSshInfo

- **Path:** /api/v1/system/setSshInfo
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set SSH-related information.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
enable	Yes	boolean	
port	Yes	integer	1-65535

- Body example

```
{
  "enable": true,
  "port": 22
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Port is already occupied.**

```
{
  "code": 3001,
  "message": "Port is already occupied.",
  "transmitTime": 3
}
```

getDeviceInfo

- **Path:** /api/v1/system/getDeviceInfo
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get device-related information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> deviceName	Yes	string	
>> productModel	Yes	string	
>> sn	Yes	string	
>> hardwareVer	Yes	string	

Name	Required	Type	Description
>> softwareVer	Yes	string	
>> ethMac	No	string	
>> wifiMac	Yes	string	
>> customDeviceId	No	string	POE
>> customSiteId	No	string	POE
>> runningTime	No	integer	POE
message	Yes	string	
transmitTime	Yes	integer	

- o Response example: **PoE version**

```
{
  "code": 0,
  "data": {
    "customDeviceId": "",
    "customSiteId": "",
    "deviceName": "People Counter",
    "ethMac": "24:E1:24:FA:0C:6C",
    "hardwareVer": "V1.0",
    "productModel": "VS125-P",
    "runningTime": 48375,
    "sn": "6834E16179950007",
    "softwareVer": "V_125.1.0.1-hard-test1",
    "wifiMac": "12:13:14:15:16:17"
  },
  "message": "ok",
  "transmitTime": 1
}
```

- o Response example: **cellular version**

```
{
  "code": 0,
  "data": {
    "customDeviceId": "",
    "customSiteId": "",
    "deviceName": "People Counter_oem",
    "ethMac": "24:E1:24:FA:0C:E2",
    "hardwareVer": "V2.1",
    "productModel": "NF125-LOBEU",
    "runningTime": 45381,
    "sn": "6384E16184430017",
    "softwareVer": "V_125.1.20.1-hard-test1",
    "wifiMac": "12:34:56:78:10:11"
  },
  "message": "ok",
}
```

```
"transmitTime": 5
}
```

setDeviceInfo

- **Path:** /api/v1/system/setDeviceInfo
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set device-related information.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
deviceName	No	string	
customDeviceId	No	string	
customSiteId	No	string	

- Body example

```
{
  "deviceName": "vs125-1",
  "customDeviceId": "123456",
  "customSiteId": "789"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 2
}
```

reboot

- **Path:** /api/v1/system/reboot
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To reboot.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 10
}
```

resetConfig

- **Path:** /api/v1/system/resetConfig
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To reset configuration.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
resetAll	Yes	boolean	If a full configuration reset is required, account and password must be provided.
user	Yes	object	
>> username	Yes	string	
>> password	Yes	string	

- Body example

```
{
  "resetAll": true,
  "user": {
    "username": "21232F297A57A5A743894A0E4A801FC3",
    "password": "3376EC73E91EBD975D2AFFD02B68A262"
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 688
}
```

- Response example: **Wrong user or password.**

```
{
  "code": 101,
  "message": "wrong user or password.",
  "transmitTime": 2
}
```

setPrivacyMode

- **Path:** /api/v1/system/setPrivacyMode
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

For setting privacy mode, it can only be set once.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
scenePreview	Yes	integer	0: Video stream, 1: Static image, 2: No image
imageType	Yes	integer	0: Pseudo-color, 1: Monochrome
resolution	Yes	integer	0: Low resolution, 1: High resolution

- Body example

```
{
  "scenePreview": 0,
  "imageType": 1,
  "resolution": 0
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	

Name	Required	Type	Description
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 2
}
```

- Response example: **Privacy mode has been set.**

```
{
  "code": 701,
  "message": "Privacy mode has been set.",
  "transmitTime": 1
}
```

searchLog

- **Path:** /api/v1/system/searchLog
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To query system logs, currently only supports querying device uptime.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
startTime	Yes	string	Format as YYYY-MM-DDTHH:MM:SS.sss
endTime	Yes	string	Format as YYYY-MM-DDTHH:MM:SS.sss

- Body example

```
{
  "startTime": "2024-07-02T11:00:00.000",
  "endTime": "2024-08-03T11:00:00.000"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> log	Yes	[object]	
>> >> PowerOnTime	Yes	string	
>> >> ShutdownTime	Yes	string	
>> >> rebootCode	Yes	integer	-1: Running 0: Unknown reason reboot 1: Manual reboot 2: Network modification reboot 3: Web upgrade reboot 4: Software reset reboot 5: Hardware reset reboot 6: Configuration import reboot 7: Remote management configuration import 8: Remote management upgrade 9: Upgrade failure reboot 10: Multicast network configuration modification reboot 11: mssserver crash 12: avserver crash 13: lighttpd crash 14: Multi-device stitching mode change 15: Multiple 4G dial-up failures
>> >> runningTime	Yes	integer	Unit: s
>> >> rebootMessage	Yes	string	
>> recordCount	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
```



```
"code": 0,
"data": {
  "log": [
    {
      "PowerOnTime": "2024-07-22T09:34:27+08:00",
      "ShutdownTime": "2024-07-22T09:41:59+08:00",
      "rebootCode": 1,
      "rebootMessage": "normal",
      "runningTime": 451
    },
    {
      "PowerOnTime": "2024-07-22T09:42:05+08:00",
      "ShutdownTime": "2024-07-22T09:54:47+08:00",
      "rebootCode": 3,
      "rebootMessage": "upgrade success",
      "runningTime": 761
    },
    {
      "PowerOnTime": "2024-07-22T09:54:56+08:00",
      "ShutdownTime": "2024-07-22T10:18:57+08:00",
      "rebootCode": 3,
      "rebootMessage": "upgrade success",
      "runningTime": 1441
    },
    {
      "PowerOnTime": "2024-07-22T10:19:04+08:00",
      "ShutdownTime": "2024-07-22T10:19:43+08:00",
      "rebootCode": 0,
      "rebootMessage": "unknown",
      "runningTime": 39
    },
    {
      "PowerOnTime": "2024-07-22T10:19:51+08:00",
      "ShutdownTime": "2024-07-22T10:20:14+08:00",
      "rebootCode": -1,
      "rebootMessage": "system is running",
      "runningTime": 23
    }
  ],
  "recordCount": 5
},
"message": "ok",
"transmitTime": 3
}
```

Remote

getRemoteManage

- **Path:** /api/v1/system/getRemoteManage
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get remote management configuration.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> enable	Yes	boolean	
>> type	Yes	integer	0:IoT Development Platform 1:Devicehub 2.0
>> iotPlatform	Yes	object	
>> >> autoProvision	Yes	boolean	
>> >> dataTransfer	Yes	boolean	
>> >> rspEnv	Yes	integer	0: Production environment 1: Testing environment 2: Integration environment 3: Staging environment 4: Debug environment
>> >> period	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> mode	Yes	integer	0:on the dot 1:from now on
>> >> >> onDotMin	Yes	integer	
>> >> >> IntervalMin	Yes	integer	
>> >> trigger	Yes	object	
>> >> >> enable	Yes	boolean	
>> devicehub2	Yes	object	
>> >> enable	Yes	boolean	
>> >> serverAddr	Yes	string	
>> >> syncCustomDeviceId	Yes	boolean	
>> >> syncDeviceName	Yes	boolean	

Name	Required	Type	Description
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "devicehub2": {
      "enable": false,
      "serverAddr": "",
      "syncCustomDeviceId": false,
      "syncDeviceName": false
    },
    "enable": true,
    "iotPlatform": {
      "autoProvision": true,
      "dataTransfer": false,
      "period": {
        "IntervalMin": 10,
        "enable": true,
        "mode": 0,
        "onDotMin": 60
      },
      "rspEnv": 1,
      "trigger": {
        "enable": true
      }
    },
    "type": 0
  },
  "message": "ok",
  "transmitTime": 1
}
```

setRemoteManage

- **Path:** /api/v1/system/setRemoteManage
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set remote management configuration.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
iotPlatform	No	object	
>> autoProvision	Yes	boolean	
>> dataTransfer	Yes	boolean	
>> period	Yes	object	
>>> IntervalMin	Yes	integer	
>>> enable	Yes	boolean	
>>> mode	Yes	integer	
>>> onDotMin	Yes	integer	
>> trigger	Yes	object	
>>> enable	Yes	boolean	
>> rspEnv	Yes	integer	0: Production environment 1: Testing environment 2: Integration environment 3: Staging environment 4: Debug environment
devicehub2	No	object	
>> enable	Yes	boolean	
>> serverAddr	Yes	string	
>> syncCustomDeviceId	Yes	boolean	
>> syncDeviceName	Yes	boolean	
enable	No	boolean	
type	No	integer	

- Body example

```
{
  "iotPlatform": {
    "autoProvision": true,
    "dataTransfer": false,
    "rspEnv": 1,
    "period": {
      "IntervalMin": 10,
      "enable": true,
      "mode": 0,
      "onDotMin": 60
    },
    "trigger": {
```

```

        "enable": true
    },
    "devicehub2": {
        "enable": false,
        "serverAddr": "",
        "syncCustomDeviceId": false,
        "syncDeviceName": false
    },
    "enable": true,
    "type": 0
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```

{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}

```

Time

setTime

- **Path:** /api/v1/system/setTime
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set device time.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
year	Yes	integer	
month	Yes	integer	1-12
day	Yes	integer	1-31
hour	Yes	integer	0-23
min	Yes	integer	0-59
sec	Yes	integer	0-59

- Body example

```
{
  "day": 1,
  "hour": 0,
  "min": 39,
  "month": 1,
  "sec": 54,
  "year": 2002
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 1
}
```

- Response example: **Set time error.**

```
{
  "code": 301,
  "message": "Set time error.",
  "transmitTime": 1
}
```

getTime

- **Path:** /api/v1/system/getTime
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get device time.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> year	Yes	integer	
>> month	Yes	integer	
>> day	Yes	integer	
>> hour	Yes	integer	
>> min	Yes	integer	
>> sec	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```

{
  "code": 0,
  "data": {
    "day": 1,
    "hour": 0,
    "min": 42,
    "month": 2,
    "sec": 47,
    "year": 2001
  },
  "message": "ok",
  "transmitTime": 1
}

```

getTimeOffset

- **Path:** /api/v1/system/getTimeOffset
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get time offset information. (Daylight Saving Time, Time Zone)

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> dst	Yes	object	
>>> enable	Yes	boolean	
>>> bias	Yes	integer	
>>> start	Yes	object	
>>>> month	Yes	integer	
>>>> mWeek	Yes	integer	
>>>> wDay	Yes	integer	
>>>> time	Yes	integer	
>>> end	Yes	object	
>>>> month	Yes	integer	

Name	Required	Type	Description
>>>> mWeek	Yes	integer	
>>>> wDay	Yes	integer	
>>>> time	Yes	integer	
>> timeZone	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "dst": {
      "bias": 60,
      "enable": false,
      "end": {
        "mWeek": 5,
        "month": 10,
        "time": 180,
        "wDay": 0
      },
      "start": {
        "mWeek": 5,
        "month": 3,
        "time": 120,
        "wDay": 0
      }
    },
    "timeZone": 0
  },
  "message": "ok",
  "transmitTime": 1
}
```

setTimeOffset

- **Path:** /api/v1/system/setTimeOffset
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To set time offset information. (Daylight Saving Time, Time Zone)

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
dst	Yes	object	
>> enable	Yes	boolean	
>> bias	Yes	integer	0-1440
>> start	Yes	object	
>>>> month	Yes	integer	1-12
>>>> wDay	Yes	integer	0-6 (Sunday-Saturday)
>>>> mWeek	Yes	integer	1-5, The week of the month, with 5 being the last week.
>>>> time	Yes	integer	0-1440, Unit:s
>> end	Yes	object	
>>>> month	Yes	integer	1-12
>>>> wDay	Yes	integer	0-6 (Sunday-Saturday)
>>>> mWeek	Yes	integer	1-5, The week of the month, with 5 being the last week.
>>>> time	Yes	integer	0-1440, Unit:s
timeZone	Yes	integer	0-37

- Body example

```
{
  "dst": {
    "bias": 60,
    "enable": false,
    "end": {
      "mweek": 5,
      "month": 10,
      "time": 180,
      "wDay": 0
    },
    "start": {
      "mweek": 5,
      "month": 3,
      "time": 120,
      "wDay": 0
    }
  }
}
```

```
    },
    "timeZone": 27
  }
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 6
}
```

getTimeSync

- **Path:** /api/v1/system/getTimeSync
- **Method:** get
- **Model:** VS125-P VS125-L0BEU

Description

To get time synchronization information. (NTP)

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> type	Yes	integer	
>> ntp	Yes	object	

Name	Required	Type	Description
>> >> serverAddr	Yes	string	
>> >> serverPort	Yes	integer	
>> >> updateCycle	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "ntp": {
      "serverAddr": "pool.ntp.org",
      "serverPort": 123,
      "updateCycle": 60
    },
    "type": 1
  },
  "message": "ok",
  "transmitTime": 1
}
```

setTimeSync

- Path:** /api/v1/system/setTimeSync
- Method:** post
- Model:** VS125-P VS125-L0BEU

Description

To set time synchronization information. (NTP)

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
type	Yes	integer	0: Manul 1: NTP
ntp	Yes	object	
>> serverAddr	Yes	string	

Name	Required	Type	Description
>> serverPort	Yes	integer	
>> updateCycle	Yes	integer	0-1440

- Body example

```
{
  "type": 0,
  "ntp": {
    "serverAddr": "",
    "serverPort": 124,
    "updateCycle": 60
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "message": "ok",
  "transmitTime": 5
}
```

Test

httpRecipient

- **Path:** /api/v1/test/httpRecipient
- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

To test whether the HTTP receiver can receive data.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
url	Yes	string	
username	Yes	string	
password	No	string	
recipient	No	object	
>> id	No	integer	Recipient's ID: When the recipient has already been added, this field should be entered. If the password field is left empty, the password will be retrieved based on the ID, URL, and username for testing.

- Body example

```
{
  "url": "http://192.168.60.61:2000/everya11",
  "username": "admin",
  "password": "ms123456",
  "recipient": {
    "id": 0
  }
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	Yes	object	
>> responseCode	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Test http recipient ok.**

```
{
  "code": 2001,
  "data": {
    "responseCode": 200
  },
  "message": "Test http recipient ok.",
  "transmitTime": 54
}
```

- Response example: **Test http recipient fail.**

```
{
  "code": 2002,
  "data": {
    "responseCode": 404
  },
  "message": "Test http recipient fail.",
  "transmitTime": 11
}
```

networkOccupy

- **Path:** /api/v1/test/networkOccupy
- **Method:** post
- **Model:** VS125-P VS125-LOBEU

Description

To test whether an IP is occupied, use the arping method for detection.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
ip	Yes	string	

- Body example

```
{
  "ip": "192.168.60.181"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Test ip is no exist.**

```
{
  "code": 2003,
  "message": "Test ip is no exist.",
  "transmitTime": 4047
}
```

- Response example: **Test ip is already exist.**

```
{
  "code": 2004,
  "message": "Test ip is already exist.",
  "transmitTime": 60
}
```

- Response example: **Test ip error.**

```
{
  "code": 2005,
  "message": "Test ip error.",
  "transmitTime": 4
}
```