



Milesight AI Stereo Vision People Counting Sensor

API Specification

Update Time	Applicable Firmware version	Description
2024-07-19	VS125_1.0.1	
2024-10-23	VS125_1.0.2	<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.

Update Time	Applicable Firmware version	Description
2025-02-11	VS125_1.0.3	<ol style="list-style-type: none">1. Add configuration of Wi-Fi passwords at login, user passwords are required to contain 4 styles .2. Add Validation.3. Add Record Track Start/Stop Points and show Static Track Line.4. Add Obstacle Exclusion and Detection Mode Select.5. Support Individual Filter of Group Counting.6. Add LED indicator switch function.7. Add Ping detection.8.Remove the HTTP access feature.

Contents

Overview

Permission level

User

- login
- getSecurity
- deleteUser
- checkSecurity
- getUserList

Algo

- getAlgoInfo
- setAlgoInfo
- setDetectArea
- deleteDetectArea
- resetDetectResult
- getDetectResult
- getRecommendHeight

Cascade

- setCascadeNode
- deleteCascadeNode
- getCascadeInfo
- searchDevices
- getSearchDevices
- getCascadeFrame

Communication

- getWebHttp
- getMqttApi
- get8021xInfo
- getWifiConfig
- setWebHttp
- getEthConfig
- setMqttApi
- set8021xInfo
- setWifiConfig
- setEthConfig

Cellular

- getCellularInfo
- setCellularInfo
- getCellularDetail

Recipient

- getRecipientList
- setRecipient
- deleteRecipient

Report

- searchReport
- getReportResult

Image

- getImageInfo
- getOneFrame
- setImageInfo

System

- getSshInfo

getAlarmInfo
getSystemInfo
setSshInfo
setAlarmInfo
getDeviceInfo
setDeviceInfo
reboot
resetConfig
setPrivacyMode
searchLog

Remote

getRemoteManage
setRemoteManage

Time

setTime
getTime
getTimeOffset
setTimeOffset
getTimeSync
setTimeSync

Test

httpRecipient
ping
networkOccupy

Validation

getPlaybackList
setPlaybackTask
getPlaybackTask

Overview

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

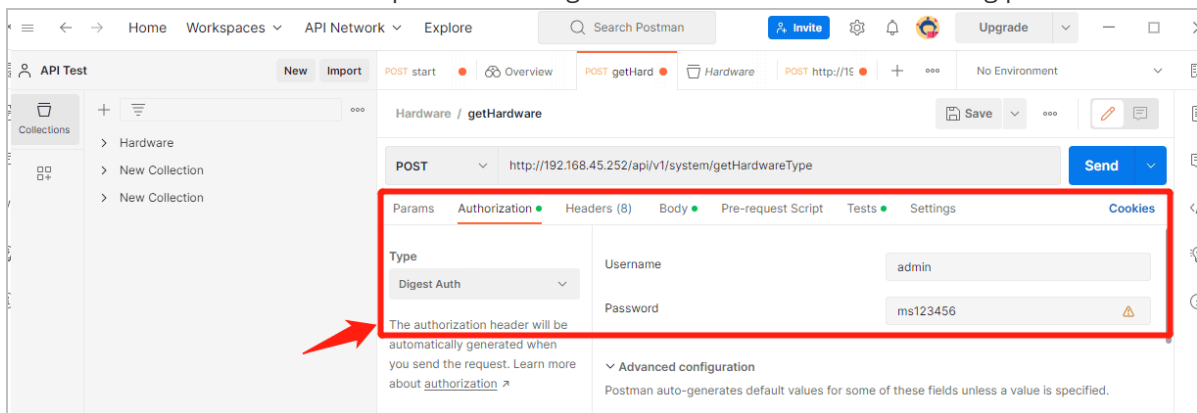
Permission level

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

To verify the correctness of the account and password, input the account and password encrypted with SHA-256. If successful, it returns the corresponding user level (0: admin, 1: viewer).

[No authentication required]

Request

- Header

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

- Body

Name	Required	Type	Description
username	Yes	string	The HEX value of the username after SHA-256 encryption.
password	Yes	string	The HEX value of the password after SHA-256 encryption.

- Body example

```
{
  "username":
  "8c6976e5b5410415bde908bd4dee15dfb167a9c873fc4bb8a81f6f2ab448a918",
  "password":
  "05c96b02ef5a233881be9462ea4ab94b9388cf19e0ea75184d5b7ed3b05af93b"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	

Name	Required	Type	Description
data	No	object	
>> userLevel	No	integer	0: admin, 1: viewer
>> wrongRemainTimes	No	integer	Incorrect account password. Remaining retry attempts.
>> lockTime	No	integer	Remaining lockout time for the user, Unit: s.
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,
  "data": {
    "wrongRemainTimes": 4
  },
  "message": "wrong user or password.",
  "transmitTime": 3
}
```

- Response example: **User is locked.**

```
{
  "code": 108,
  "data": {
    "lockTime": 59
  },
  "message": "User is locked.",
  "transmitTime": 1
}
```

getSecurity

- **Path:** /api/v1/system/getSecurity
- **Method:** get

- **Model:** VS125-P VS125-L0BEU

Description

[No authentication required]

Used to retrieve the set security question. If it is a predefined question, it returns the ID; if it is a custom question, it returns 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	
>>> question	Yes	string	
>>> encrypt	Yes	integer	1: MD5 2: SHA-256
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "security": [
      {
        "encrypt": 1,
        "question": "",
        "questionId": 1
      },
      {
        "encrypt": 1,
        "question": "",
        "questionId": 2
      },
      {
        "encrypt": 1,
        "question": "",
        "questionId": 3
      }
    ]
  }
}
```



```
  },
  "message": "ok",
  "transmitTime": 2
}
```

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

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

deleteUser

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

Description

For deleting users, administrator users cannot be deleted.

Request

- Header

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

- Body

Name	Required	Type	Description
adminUser	Yes	object	
>> username	Yes	string	Use SHA-256 encryption.
>> password	Yes	string	Use SHA-256 encryption.
deleteInfo	Yes	object	
>> index	No	integer	User Index
>> username	No	string	Username

- 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
}
```

checkSecurity

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

Description

[No authentication required]

Used 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	The answer should be encrypted according to the encryption method returned by getSecurity.

- 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
}
```

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	

Name	Required	Type	Description
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
}
```

Algo

getAlgoInfo

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

Description

Used to retrieve algorithm 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	
>>>> list	Yes	[object]	
>>>>> coords	Yes	[object]	
>>>>>> x	Yes	integer	
>>>>>> y	Yes	integer	
>>>>> id	Yes	integer	
>>>>> name	Yes	string	
>>>>> uuid	Yes	string	
>>>>> flip	Yes	boolean	
>>>>>> uturnEnable	Yes	boolean	

Name	Required	Type	Description
>>>> uturnCoords	Yes	[object]	
>>>>>>x	Yes	integer	
>>>>>>y	Yes	integer	
>> 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	0-6, 0:Sunday, 6:Saturday 7:Everyday
>>> dSec	Yes	integer	0-86399

Name	Required	Type	Description
>> cascadeMode	Yes	integer	0: Standalone 1: Master 2:Node
>> groupCount	Yes	object	
>> >> countMax	Yes	integer	The maximum number of a group
>> >> countMin	Yes	integer	The minimum number of a group
>> >> 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	
>> detectExclusion	Yes	object	Obstacle Exclusion
>> >> enable	Yes	boolean	
>> >> realList	Yes	[object]	The actual filtration area of the device
>> >> >> deviceId	No	integer	This field appears only when the device is the master device. 0: Master device 1-15: Slave device ID
>> >> >> list	Yes	[object]	
>> >> >> >> id	No	integer	
>> >> >> >> type	No	integer	0: Detection Exclusion 1: Height Exclusion
>> >> >> >> coords	No	[object]	
>> >> >> >> >> x	No	integer	
>> >> >> >> >> y	No	integer	

Name	Required	Type	Description
>> >> mapList	No	[object]	The mapping obstacle filtration area of the master and slave devices is returned only when the device is the master device.
>> >> >> deviceId	No	integer	0: Master 1-15: Node ID
>> >> >> list	No	[object]	
>> >> >> >> id	No	integer	
>> >> >> >> type	No	integer	0: Detection Exclusion 1: Height Exclusion
>> >> >> >> coords	No	[object]	
>> >> >> >> >> x	No	integer	
>> >> >> >> >> y	No	integer	
>> historyTrackPoint	Yes	object	
>> >> enable	Yes	boolean	
>> detectModelType	Yes	integer	Detection Algorithm Setting: 0: RGB+DEPTH 1: RGB 2: DEPTH
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "cascadeMode": 1,
    "children": {
      "enable": true,
      "threshold": 1000
    },
    "deploy": {
      "acceleEnable": true,
      "height": 3200
    },
    "detectExclusion": {
      "enable": true,
      "mapList": [
        {
          "deviceId": 0,
          "list": [
```

```
        {
            "coords": [
                {
                    "x": 499,
                    "y": 152
                },
                {
                    "x": 455,
                    "y": 317
                },
                {
                    "x": 644,
                    "y": 322
                }
            ],
            "id": 0,
            "type": 0
        }
    ]
}
],
"realList": [
    {
        "deviceId": 0,
        "list": [
            {
                "coords": [
                    {
                        "x": 499,
                        "y": 152
                    },
                    {
                        "x": 455,
                        "y": 317
                    },
                    {
                        "x": 644,
                        "y": 322
                    }
                ],
                "id": 0,
                "type": 0
            }
        ]
    }
]
},
"detectScope": {
    "maxHeight": 3000,
    "minHeight": 501
},
"groupCount": {
    "countMax": 20,
    "countMin": 1,
    "enable": true
},
},
```

```
"heatMap": {
  "enable": true
},
"historyTrackPoint": {
  "enable": false
},
"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
        }
      ],
      "uturnEnable": true,
      "uuid": "7c9dcbac-b01a-49ce-a818-08c704f24a81"
    }
  ],
  "uturnEnable": true,
  "uuid": "7c9dcbac-b01a-49ce-a818-08c704f24a81"
},
```

```
{
  "coords": [
    {
      "x": 105,
      "y": 420
    },
    {
      "x": 782,
      "y": 291
    }
  ],
  "flip": false,
  "id": 1,
  "name": "Line2",
  "uturnCoords": [],
  "uturnEnable": false,
  "uuid": "152a8309-9d72-4869-9b5a-82ef5983a414"
}
],
},
"regionInfo": {
  "enable": true,
  "list": [
    {
      "coords": [
        {
          "x": 163,
          "y": -5
        },
        {
          "x": 147,
          "y": 442
        },
        {
          "x": 578,
          "y": 448
        },
        {
          "x": 686,
          "y": 114
        }
      ],
      "count": {
        "enable": true,
        "timeMin": 0
      },
      "dwellTime": {
        "enable": true,
        "timeMin": 0
      },
      "id": 0,
      "name": "Region1",
      "uuid": "fd3705bb-dc74-47be-b384-6bf2e627a64f"
    },
    {
      "coords": [
```

```
        {
            "x": 152,
            "y": -13
        },
        {
            "x": 116,
            "y": 568
        },
        {
            "x": 850,
            "y": 525
        },
        {
            "x": 771,
            "y": -38
        }
    ],
    "count": {
        "enable": true,
        "timeMin": 0
    },
    "dwellTime": {
        "enable": true,
        "timeMin": 0
    },
    "id": 1,
    "name": "Region2",
    "uuid": "570f1d4c-d55a-4e90-b97a-1f8434dab2b3"
}
]
},
"resetOnSchedule": {
    "dsec": 35400,
    "enable": true,
    "wDay": 7
},
"sex": {
    "enable": true
},
"showDetectBox": {
    "depth": true,
    "enable": true,
    "merge": true,
    "real": true
},
"staffDetect": {
    "enable": true,
    "sensitivity": 50
},
"trackMode": 1,
"detectModelType": 0
},
"message": "ok",
"transmitTime": 5
}
```

setAlgoInfo

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

Description

Used to set algorithm 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	
regionInfo	No	object	
>> enable	No	boolean	
sex	No	object	
>> enable	No	boolean	
trackMode	No	integer	0:Heads Tracking 1: Feet Tracking
resetOnSchedule	No	object	
>> enable	No	boolean	
>> wDay	No	integer	0-6, 0:Sunday, 6:Saturday 7:Everyday
>> dSec	No	integer	0-86399
staffDetect	No	object	

Name	Required	Type	Description
>> enable	No	boolean	
>> sensitivity	No	integer	0-100
groupCount	No	object	
>> enable	No	boolean	
>> countMax	No	integer	The maximum value of the group count
>> countMin	No	integer	The minimum value of the group count
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	
detectExclusion	No	object	Obstacle removal feature.
>> enable	No	boolean	
historyTrackPoint	No	object	
>> enable	No	boolean	
detectModelType	No	integer	Detection algorithm type: 0: RGB+Depth 1: RGB 2: Depth

- Body example

```
{
  "children": {
    "enable": true,
    "threshold": 1300
  },
  "deploy": {
    "height": 3200,
    "acceleEnable": true
  },
  "detectScope": {
    "maxHeight": 2000,
    "minHeight": 500
  },
  "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,
    "countMin": 2
  },
  "heatMap": {
    "enable": true
  },
  "cascadeMode": 1,
  "showDetectBox": {
    "depth": true,
    "enable": true,
    "merge": true,
    "real": true
  },
  "detectExclusion": {
    "enable": false
  },
  "historyTrackPoint": {
    "enable": false
  },
  "detectModelType": 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": 159
}
```

- Response example: **Playback recording**

```
{
  "code": 904,
  "message": "Playback recording",
  "transmitTime": 4
}
```

setDetectArea

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

Description

Set up drawing of detection lines or detection regions.

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	
>> uturnEnable	No	boolean	
>> coords	No	[object]	
>>> x	No	number	
>>> y	No	number	
>> uturnCoords	No	[object]	

Name	Required	Type	Description
>>>x	Yes	number	
>>>y	Yes	number	
>> flip	No	boolean	
region	No	object	
>> id	No	integer	
>> name	No	string	
>> uuid	No	string	
>> coords	No	[object]	
>>>x	No	number	
>>>y	No	number	
>> count	No	object	
>>> enable	Yes	boolean	
>>> timeMin	Yes	integer	Unit: s, 0-3600
>> dwellTime	No	object	
>>> enable	Yes	boolean	
>>> timeMin	Yes	integer	Unit: s, 0-3600
detectExclusion	No	[object]	
>> deviceId	No	integer	Used only in cascade mode 0: Master device 1-15: Slave devices
>> list	No	[object]	
>>> id	No	integer	
>>> type	No	integer	0: Detection Exclusion, 1:Height Exclusion
>>> coords	No	[object]	
>>>>x	No	integer	
>>>>y	No	integer	

- Body example

```

{
  "line": {
    "id": 0,
    "name": "Line1111",
    "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,
"uturnEnable": 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
    }
},
"detectExclusion": [
    {
        "deviceId": 0,
        "list": [
            {
                "id": 0,
                "type": 1,
                "coords": [
                    {
                        "x": 44,
                        "y": 88
                    },
                    {
                        "x": 144,
                        "y": 88
                    }
                ]
            }
        ]
    },
    {
        "deviceId": 1,
        "list": [
            {
                "id": 0,
                "type": 0,
                "coords": [
                    {
                        "x": 44,
                        "y": 88
                    }
                ]
            }
        ]
    }
]
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> id	No	integer	ID of the Detection Line or Area for the Operation.
message	Yes	string	
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
}
```

- Response example: **Detection area exclusion type error.**

```
{
  "code": 605,
  "message": "Detection area exclusion type error.",
  "transmitTime": 4
}
```

- Response example: **Playback recording**

```
{
  "code": 904,
  "message": "Playback recording",
  "transmitTime": 7
}
```

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	
event	Yes	integer	0: Detection lines. 1: Detection regions

- 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
}
```

- Response example: **Playback recording**

```
{
  "code": 904,
  "message": "Playback recording",
  "transmitTime": 4
}
```

resetDetectResult

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

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	
>> >> >> 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	

Name	Required	Type	Description
>>>> 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	
>>>> 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	

Name	Required	Type	Description
>>>>>> femaleMax	No	integer	
>>>>>> maleAvg	No	integer	
>>>>>> maleMax	No	integer	
>>>>>> max	No	integer	
>>>> id	No	integer	
message	Yes	string	
transmitTime	Yes	integer	

- 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-LOBEU

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

This interface is used to add/update slave device nodes.

Only the master device can use this interface.

After adding a node, the target can be accessed via URL through [/api/v1/node/system/*?node=id] where [id] is the node's ID

[*] can be "getOneFrame, getRecommendHeight, setAlgoInfo, getAlgoInfo, getImageInfo, or setImageInfo", Authentication is not required.

Request

- Header

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

- Body

Name	Required	Type	Description
parent	Yes	object	
>> id	Yes	integer	0-15, 0: Master device 1-15: Other slave devices
>> points	Yes	[object]	Four sets of coordinate values are required.
>>> x	Yes	integer	
>>> y	Yes	integer	
>> rotation	Yes	integer	Stored in the backend only for frontend restoration use

Name	Required	Type	Description
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	
>>>> httpsPort	Yes	integer	
>>>> sn	Yes	string	
>>>> username	Yes	string	
>>>> password	Yes	string	
>>>> deviceName	Yes	string	
>>>> deployHeight	No	integer	The installation height of the slave device will be resynchronized upon connection.
>> rotation	Yes	integer	Stored in the backend only for frontend restoration use

- 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,
    "httpsPort": 443,
    "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
}
```

- Response example: ***Playback recording***

```
{
  "code": 904,
  "message": "Playback recording",
  "transmitTime": 4
}
```

deleteCascadeNode

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

Description

For unbinding slave devices.

Only the master and slave devices can use this interface.

The master device is used to delete slave nodes, and the slave device is used for unbinding.

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
}
```

- Response example: **Playback recording**

```

{
  "code": 904,
  "message": "Playback recording",
  "transmitTime": 3
}

```

getCascadeInfo

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

Description

For obtaining cascade-related configurations.
Only the master or slave devices can use this

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	-1: Root node 0: Master device 1-15: Slave device ID
>>>>> rotation	No	integer	
>>>>> points	No	[object]	
>>>>>> x	No	integer	

Name	Required	Type	Description
>>>>>>>>y	No	integer	
>>>>> node	No	object	
>>>>>>> id	No	integer	0: Master device 1-15: Slave device ID
>>>>>>> rotation	No	integer	
>>>>>>> deviceInfo	No	object	
>>>>>>>> ip	No	string	
>>>>>>>> sn	No	string	
>>>>>>>> deviceName	No	string	
>>>>>>>>> httpPort	No	integer	
>>>>>>>>> deployHeight	No	integer	
>>>>>>>>> httpsPort	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	
>>>>>>> status	No	integer	Connection status 1: Connected 2: Disconnected
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": 3177,
          "deviceName": "People Counter",
          "httpPort": 80,
          "httpsPort": 443,
          "ip": "192.168.60.183",
          "sn": "6834E16179950007"
        },
        "id": 0
      },
      "parent": {
        "id": -1
      }
    },
    {
      "node": {
        "box": {
          "h": 1151,
          "w": 652,
          "x": 222,
          "y": -164
        },
        "deviceInfo": {
          "deployHeight": 3201,
          "deviceName": "People Counter",
          "httpPort": 80,
          "httpsPort": 65535,
          "ip": "192.168.60.231",
          "sn": "6834E23235430004"
        },
        "id": 2,
        "points": [
          {
            "x": 322,
            "y": 459
          },
          {
            "x": 474,
            "y": 304
          },
          {
            "x": 470,
            "y": 43
          }
        ]
      }
    }
  ]
}
```

```

        "x": 331,
        "y": 234
    },
    ],
    "rotation": 90,
    "status": 1
},
"parent": {
    "id": 0,
    "points": [
        {
            "x": 339,
            "y": 209
        },
        {
            "x": 476,
            "y": 368
        },
        {
            "x": 779,
            "y": 389
        },
        {
            "x": 561,
            "y": 222
        }
    ],
    "rotation": 0
}
}
]
}
},
"message": "ok",
"transmitTime": 3
}

```

- 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-L0BEU

Description

Retrieve the device search results.

Only the master device can use this.

Used in conjunction with searchDevices.

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	
>>> httpsPort	No	integer	
>>> sn	No	string	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "devices": [
      {
        "deviceName": "People Counter",
        "httpPort": 80,
        "httpsPort": 443,
        "ip": "192.168.60.135",
        "sn": "6834E23868600001"
      },
      {
        "deviceName": "People Counter",
        "httpPort": 80,
        "httpsPort": 443,
        "ip": "192.168.60.224",
        "sn": "6834E39725160016"
      }
    ]
  },
  "message": "ok",
  "transmitTime": 3
}
```

- 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

getWebHttp

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

Description

Used to obtain the configuration for web HTTPS.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

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

Name	Required	Type	Description
>>>> certificateType	Yes	integer	0: Create Self-Signed certificate 1: Direct Installation Certificate
>>>> certificateName	Yes	string	
>>>> certContent	Yes	object	
>>>>> issuerName	Yes	object	Issuer
>>>>>> commonName	Yes	string	
>>>>>> country	Yes	string	
>>>>>> locality	Yes	string	
>>>>>> organization	Yes	string	
>>>>>>> organizationUnit	Yes	string	
>>>>>>> state	Yes	string	
>>>>>> subjectName	Yes	object	Recipient
>>>>>>> commonName	Yes	string	
>>>>>>> country	Yes	string	
>>>>>>> locality	Yes	string	
>>>>>>> organization	Yes	string	
>>>>>>>> organizationUnit	Yes	string	
>>>>>>>> state	Yes	string	
>>>>> validityPeriod	Yes	integer	Unit: :day
>>>>> validityPeriodEnd	Yes	string	
>>>>> validityPeriodStart	Yes	string	
message	Yes	string	
transmitTime	Yes	integer	

- o Response example: **Success**

```
{
  "code": 0,
  "data": {
    "https": {
      "certContent": {
```

```

    "issuerName": {
      "commonName": "Dimi CA",
      "country": "FR",
      "locality": "Paris",
      "organization": "Dimi",
      "organizationUnit": "NSBU",
      "state": "Some-State"
    },
    "subjectName": {
      "commonName": "www.dimi.fr",
      "country": "FR",
      "locality": "",
      "organization": "Internet Widgits Pty Ltd",
      "organizationUnit": "",
      "state": "Some-State"
    },
    "validityPeriod": 3650,
    "validityPeriodEnd": "Jan 26 20:36:55 2024 GMT",
    "validityPeriodStart": "Jan 28 20:36:55 2014 GMT"
  },
  "certificateName": "test_cert.pem",
  "certificateType": 0,
  "enable": true,
  "port": 443
}
},
"message": "ok",
"transmitTime": 5
}

```

getMqttApi

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

Description

Obtain MQTT downlink configuration for Cat1 version.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

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

Name	Required	Type	Description
data	No	object	
>> host	Yes	string	
>> port	Yes	integer	1-65535
>> username	Yes	string	
>> clientId	Yes	string	
>> passwordLength	Yes	integer	
>> keepAliveInterval	No	integer	Heartbeat Interval
>> connectTimeout	No	integer	Connection Timeout
>> qos	Yes	integer	0-2
>> topic	Yes	string	
>> tls	Yes	boolean	
>> certificateType	Yes	integer	0:ca 1:self
>> rootCertName	Yes	string	If no certificate exists, leave it blank.
>> clientCertName	Yes	string	If no certificate exists, leave it blank.
>> clientKeyName	Yes	string	If no certificate exists, leave it blank.

- o Response example: **Success**

```
{
  "code": 0,
  "data": {
    "certificateType": 1,
    "clientCertName": "emqx.pem",
    "clientId": "M4A1tP6850fcgkVuwCvxDW0ltcgv8Gkc",
    "clientKeyName": "emqx.key",
    "connectTimeout": 10,
    "host": "192.168.60.188",
    "keepAliveInterval": 60,
    "passwordLength": 8,
    "port": 8883,
    "qos": 0,
    "rootCertName": "ca.pem",
    "tls": true,
    "topic": "device/downlink_config",
    "username": "admin"
  },
  "message": "ok",
  "transmitTime": 2
}
```

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	
>> 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
}
```

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/kip
>> 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	
>> cipherList	Yes	object	
>>> 0	Yes	string	
>> protocolList	Yes	object	
>>> 0	Yes	string	
>>> 1	Yes	string	
>>> 2	Yes	string	
>> securityModeList	Yes	object	
>>> 4	Yes	string	
>> gateway	Yes	string	

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

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "bandwidth": 1,
    "bandwidthList": {
      "0": "40MHZ",
      "1": "20MHZ"
    },
    "channel": 0,
    "cipher": 0,
    "cipherList": {
      "0": "AES"
    },
    "country": "CN",
    "enable": true,
    "gateway": "192.168.1.1",
    "passwordLength": 8,
    "protocol": 2,
    "protocolList": {
      "0": "802.11b (2.4G)",
      "1": "802.11g (2.4G)",
      "2": "802.11n (2.4G)"
    },
    "securityMode": 4,
    "securityModeList": {
      "4": "WPA2-PSK"
    },
    "ssid": "People Counter_FA7896"
  },
  "message": "ok",
  "transmitTime": 2
}
```

setWebHttp

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

Description

Used to configure HTTP and HTTPS related settings for the web.

Request

- Header

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

- Body

Name	Required	Type	Description
https	Yes	object	
>> port	Yes	integer	
>> certificateType	Yes	integer	0: Create Self-Signed certificate 1: Direct Installation Certificate
>> 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

```

{
  "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
}
```

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	

Name	Required	Type	Description
>> primaryDns	Yes	string	
>> secondaryDns	Yes	string	
>> subnetMask	Yes	string	
message	Yes	string	
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
}
```

setMqttApi

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

Description

Configure MQTT downlink settings for Cat1 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	

Name	Required	Type	Description
topic	Yes	string	
username	Yes	string	
password	Yes	string	
qos	Yes	integer	0-2
keepAliveInterval	No	integer	Heartbeat Interval: 0-65535
connectTimeout	No	integer	Connection Timeout
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,
  "keepAliveInterval": 60,
  "connectTimeout": 10
}

```

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
}
```

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
}
```

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	4:wpa2
cipher	No	integer	0:aes

Name	Required	Type	Description
protocol	No	integer	0: 802.b 1: 802.g 2: 802.n
password	No	string	Length needs to be greater than 8.
gateway	No	string	

- Body example

```
{
  "enable": true,
  "ssid": "People Counter_013346",
  "protocol": 2,
  "bandwidth": 0,
  "channel": 0,
  "securityMode": 4,
  "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	
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-L0BEU

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	

Name	Required	Type	Description
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.
>> 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	

- 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

Used to retrieve 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]	

Name	Required	Type	Description
>> id	Yes	integer	
>> name	Yes	string	
>> protocol	Yes	integer	0:mqtt,1:http
>> http	Yes	object	
>>> url	Yes	string	
>>> username	Yes	string	
>>> passwordLength	Yes	integer	
>>> connectTimeout	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
>>> keepAliveInterval	Yes	integer	
>>> connectTimeout	Yes	integer	
>>> tls	Yes	boolean	
>>>> certificateType	Yes	integer	0:ca 1:self
>>>> rootCertName	Yes	string	If no certificate exists, the result will be empty.
>>>> clientCertName	Yes	string	If no certificate exists, the result will be empty.
>>>> clientKeyName	Yes	string	If no certificate exists, the result will be empty.
>> strategy	Yes	object	
>>> trigger	Yes	boolean	
>>> period	Yes	object	
>>>> enable	Yes	boolean	

Name	Required	Type	Description
>>>> 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	
>>>>>>> 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	

Name	Required	Type	Description
>>>>>> dstEnable	Yes	boolean	
>>>>>> dstStatus	Yes	boolean	
>>>>>> endTime	Yes	boolean	
>>>>>> startTime	Yes	boolean	
>>>>>> timeZone	Yes	boolean	
>>>>>> tirggerTime	Yes	boolean	
>>>>> lineTrigger	Yes	boolean	
>>>>> name	Yes	boolean	
>>>>> regionPeriod	Yes	boolean	
>>>>> uuid	Yes	boolean	
>>>>> network	Yes	object	
>>>>>> cellId	Yes	boolean	
>>>>>> iccid	Yes	boolean	
>>>>>> imei	Yes	boolean	
>>>>>> lac	Yes	boolean	
>>>>>> status	Yes	boolean	
message	Yes	string	
transmitTime	Yes	integer	

- o Response example: **Success**

```
{
  "code": 0,
  "data": [
    {
      "http": {
        "passwordLength": 0,
        "url": "",
        "username": "",
        "connectTimeout": 10
      },
      "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",
"connectTimeout": 10,
"keepAliveInterval": 60
},
"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,
      "triggerTime": 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,
        "triggerTime": 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

Used to configure the report recipient.

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	When the password has not been changed, the <code>password</code> field is not sent.
>> connectTimeout	No	integer	Set the HTTP timeout duration.
mqtt	Yes	object	
>> host	Yes	string	
>> port	Yes	integer	1-65535
>> clientId	Yes	string	
>> username	Yes	string	
>> password	No	string	When the password has not been changed, the <code>password</code> field is not sent.
>> topic	Yes	string	
>> qos	Yes	integer	0-2
>> tls	Yes	boolean	
>> keepAliveInterval	Yes	integer	
>> connectTimeout	Yes	integer	
>> certificateType	Yes	integer	0:ca,1:self
>> deleteRootCert	Yes	boolean	
>> deleteClientCert	Yes	boolean	
>> deleteClientKey	Yes	boolean	

Name	Required	Type	Description
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	
>>>> 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	

Name	Required	Type	Description
>>>> 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	
>>>> 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",
    "connectTimeout": 10
  },
  "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,
"connectTimeout": 10,
"keepAliveInterval": 60
},
"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

Initiate a request to retrieve database data (can be blocking or non-blocking) event:

0: Line crossing detection - lineParam is required

1: Area detection - regionCounting is required

2: Dwell detection - dwellDetect is required

3: Heat map - heatMap is required

4: Historical trajectory points

Request

- Header

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

- Body

Name	Required	Type	Description
event	Yes	integer	0: Line crossing counting 1: Region people counting 2: Dwell time detection 3: Heat map 4: Historical Track Points
uuid	Yes	string	Randomly Generate UUID
startTime	Yes	string	Format is YYYY-MM-DDTHH:MM:SS.sss

Name	Required	Type	Description
endTime	Yes	string	Format is YYYY-MM-DDTHH:MM:SS.sss
block	No	boolean	When set to true, blocking queries can be performed, and the results will be returned at this URL. During this time, other /api/v1/system endpoints cannot be executed. Examples of the returned results can be viewed in the getReportResult endpoint. This option should only be used for small data queries, as large data queries may result in timeouts.
lineParam	No	object	Cross-line detection parameters, fill in when event=0
>> lineId	No	integer	
>> timeUnit	No	integer	0: Hour 1: Day 2: Month 3: Specified Interval
>> timeBinWidth	No	integer	Fill in when timeUnit=3, unit: seconds
regionCount	No	object	Area 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
historyPoint	No	object	
>> playbackId	No	integer	Playback task ID Leave blank or fill in -1 for regular historical track points

- Body example

```

{
  "event": 2,
  "startTime": "1970-01-09T11:11:51.000",
  "endTime": "2024-04-10T11:11:51.000",
  "block": false,
  "lineParam": {
    "lineId": 1,
    "timeUnit": 0,
    "timeBinwidth": 10
  },
  "regionCount": {
    "regionId": 0
  },
  "dwellDetect": {
    "regionId": 0,
    "timeMin": 10,
    "timeBinwidth": 10,
    "numOfBins": 10
  },
  "heatMap": {
    "type": 1
  },
  "historyPoint": {
    "playbackId": 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

For querying report results, the UUID must be the same as the UUID used in 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	

Name	Required	Type	Description
>> line	No	[object]	
>>>> children	No	object	
>>>>> femaleIn	Yes	integer	
>>>>> 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 children and staff
>>>>> femaleIn	Yes	integer	
>>>>> femaleOut	Yes	integer	
>>>>> in	Yes	integer	
>>>>> maleIn	Yes	integer	
>>>>> maleOut	Yes	integer	
>>>>> out	Yes	integer	
>>>> time	No	string	Format: 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 children and staff
>>>> 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: YYYY-MM-DDTHH:MM:SS.sss
>> dwell	No	[object]	
>>> time	No	integer	
>>> total	No	object	Including children and staffs
>>>> 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	
>>> values	No	[object]	Points with non-zero calorific values

Name	Required	Type	Description
>>>> value	No	integer	
>>>> x	No	integer	
>>>> y	No	integer	
>> historyPoints	No	[object]	
>>> type	Yes	number	Trajectory Point Types: 0: Start Trajectory Point 1: Stop Trajectory Point
>>> coords	Yes	object	
>>>> x	Yes	number	
>>>> y	Yes	number	
message	Yes	string	
transmitTime	Yes	integer	

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

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

- Response example: **Success(Cross the line)**

```
{
  "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
}

```

- Response example: **Success(Regions)**

```

{
  "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(Heatmap)**

```

{
  "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: **Success(Historical trackpoints)**

```

{
  "code": 0,

```

```

"data": {
  "historyPoints": [
    {
      "coords": {
        "x": 825,
        "y": 95
      },
      "type": 1
    },
    {
      "coords": {
        "x": 261,
        "y": 290
      },
      "type": 0
    },
    {
      "coords": {
        "x": 809,
        "y": 458
      },
      "type": 1
    }
  ]
},
"message": "ok",
"transmitTime": 437
}

```

- 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
}
```

getOneFrame

- Path: /api/v1/system/getOneFrame

- **Method:** post
- **Model:** VS125-P VS125-L0BEU

Description

Obtain a frame.

Request

- Header

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

- Body

Name	Required	Type	Description
type	No	integer	0: Depth map 1: Grayscale image Default to the image type set by privacy mode if not specified
resolution	No	integer	0: Low resolution 1: High resolution, use system-configured resolution if not specified

- 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":
      "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD/....."
  },
  "message": "ok",
  "transmitTime": 80
}

```

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
}

```

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
}
```

getAlarmInfo

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

Description

Used to retrieve alarm-related information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

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

Name	Required	Type	Description
>> >> pulseInterval	Yes	integer	Pulse interval
>> >> event	Yes	[object]	
>> >> >> enable	Yes	boolean	
>> >> >> pulseWidth	Yes	integer	Pulse width
>> >> >> type	Yes	integer	Event Types: 0: Munal 1: Adults In 2: Adults Out 3: Children In 4: Children Out 5: Staff In 6: Staff Out 7: Group In 8: Group Out 9: Male In 10: Male Out 11: Female In 12: Female Out
>> >> >> channel	Yes	[integer]	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "lineDout": {
      "enable": true,
      "event": [
        {
          "channel": [
            0,
            1
          ],
          "enable": true,
          "pulsewidth": 5000,
          "type": 0
        },
        {
          "channel": [
            0,
            1
          ],
          "enable": false,
          "pulsewidth": 100,

```

```
    "type": 1
  },
  {
    "channel": [
      0,
      1
    ],
    "enable": false,
    "pulsewidth": 200,
    "type": 2
  },
  {
    "channel": [
      0,
      1
    ],
    "enable": false,
    "pulsewidth": 300,
    "type": 3
  },
  {
    "channel": [
      0,
      1
    ],
    "enable": false,
    "pulsewidth": 400,
    "type": 4
  },
  {
    "channel": [
      0,
      1
    ],
    "enable": false,
    "pulsewidth": 500,
    "type": 5
  },
  {
    "channel": [
      0,
      1
    ],
    "enable": false,
    "pulsewidth": 600,
    "type": 6
  },
  {
    "channel": [
      0,
      1
    ],
    "enable": false,
    "pulsewidth": 700,
    "type": 7
  },
}
```

```
{
  "channel": [
    0,
    1
  ],
  "enable": false,
  "pulsewidth": 800,
  "type": 8
},
{
  "channel": [
    0,
    1
  ],
  "enable": false,
  "pulsewidth": 900,
  "type": 9
},
{
  "channel": [
    0,
    1
  ],
  "enable": false,
  "pulsewidth": 1000,
  "type": 10
},
{
  "channel": [
    0,
    1
  ],
  "enable": false,
  "pulsewidth": 1100,
  "type": 11
},
{
  "channel": [
    0,
    1
  ],
  "enable": false,
  "pulsewidth": 1200,
  "type": 12
}
],
  "pulseInterval": 100
}
},
"message": "ok",
"transmitTime": 4
}
```

getSystemInfo

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

Description

Used to retrieve system information, including whether the device is activated (i.e., has an administrator account), OEM information, and privacy mode.

Unauthenticated interface.

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	No	integer	
>>> bgImage	No	integer	OEM background image type: 0: Standard 1: Neutral
>> hardwareType	Yes	integer	
>> privacy	Yes	object	
>>> imageType	Yes	integer	0: Depth map 1: Grayscale image
>>> hasSet	Yes	boolean	
>>> resolution	Yes	integer	0:low 1:high
>>> scenePreview	Yes	integer	0: Video stream 1: Single frame image 2: No image
>> wlan	Yes	object	
>>> hasSet	Yes	boolean	Other WLAN options will be available only when not set.

Name	Required	Type	Description
>>> bandwidth	No	integer	
>>> bandwidthList	No	object	
>>>> 0	Yes	string	
>>>> 1	Yes	string	
>>> channel	No	integer	
>>> cipher	No	integer	
>>> cipherList	No	object	
>>>> 0	Yes	string	
>>> country	No	string	
>>> enable	No	boolean	
>>> gateway	No	string	
>>>> passwordLength	No	integer	
>>> protocol	No	integer	
>>> protocolList	No	object	
>>>> 0	Yes	string	
>>>> 1	Yes	string	
>>>> 2	Yes	string	
>>> securityMode	No	integer	
>>>> securityModeList	No	object	
>>>>> 0	Yes	string	
>>>>> 4	Yes	string	
>>> ssid	No	string	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "hardwareType": 0,
    "isActive": true,

```

```

"oemInfo": {
  "enable": true,
  "id": 0,
  "bgImage": 0
},
"privacy": {
  "hasSet": true,
  "imageType": 1,
  "resolution": 1,
  "scenePreview": 0
},
"title": "AI Stereo Vision People Counter",
"wlan": {
  "bandwidth": 1,
  "bandwidthList": {
    "0": "40MHZ",
    "1": "20MHZ"
  },
  "channel": 0,
  "cipher": 0,
  "cipherList": {
    "0": "AES"
  },
  "country": "CN",
  "enable": false,
  "gateway": "192.168.1.1",
  "hasSet": false,
  "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",
    "4": "WPA2-PSK"
  },
  "ssid": "People Counter_AABBCD"
},
"message": "ok",
"transmitTime": 4
}

```

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
}
```

setAlarmInfo

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

Description

Used to configure alarm-related information.

Request

- Header

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

- Body

Name	Required	Type	Description
lineDout	No	object	
>> enable	No	boolean	
>> pulseInterval	No	integer	Pulse Interval
>> event	No	[object]	An array of events, where one or more event configurations can be issued, using the type as the distinguishing keyword..
>>> type	No	integer	Event Type: 0: Munal 1: Adults In 2: Adults Out 3: Children In 4: Children Out 5: Staff In 6: Staff Out 7: Group In 8: Group Out 9: Male In 10: Male Out 11: Female In 12: Female Out
>>> enable	No	boolean	
>>> pulseWidth	No	integer	Pulse Width
>>> channel	No	[integer]	

Name	Required	Type	Description
doutTrigger	No	boolean	Triggers a one-time manual Do when set to true.

- Body example

```
{
  "lineDout": {
    "enable": true,
    "event": [
      {
        "enable": true,
        "pulsewidth": 101,
        "type": 1,
        "channel": [
          0
        ]
      }
    ],
    "pulseInterval": 100
  },
  "doutTrigger": false
}
```

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": 27
}
```

getDeviceInfo

- **Path:** /api/v1/system/getDeviceInfo
- **Method:** get

- **Model:** VS125-P VS125-L0BEU

Description

Used to retrieve 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	
>> softwareVer	Yes	string	
>> ethMac	Yes	string	
>> wifiMac	Yes	string	
>> customDeviceId	Yes	string	POE
>> customSiteId	Yes	string	POE
>> runningTime	Yes	integer	POE
>> ledSwitch	Yes	boolean	LED indicator switch.
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **VS125-PoE**

```
{
  "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",
    "ledSwitch": true
  },
  "message": "ok",
  "transmitTime": 1
}

```

- Response example: **VS125-CAT1**

```

{
  "code": 0,
  "data": {
    "customDeviceId": "",
    "customSiteId": "",
    "deviceName": "People Counter_oem",
    "ethMac": "24:E1:24:FA:0C:E2",
    "hardwareVer": "v2.1",
    "productModel": "NF125-L0BEU",
    "runningTime": 45381,
    "sn": "6384E16184430017",
    "softwareVer": "v_125.1.20.1-hard-test1",
    "wifiMac": "12:34:56:78:10:11",
    "ledSwitch": true
  },
  "message": "ok",
  "transmitTime": 5
}

```

setDeviceInfo

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

Description

Used to set device 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	

Name	Required	Type	Description
ledSwitch	No	boolean	LED indicator switch.

- Body example

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

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	

Name	Required	Type	Description
>> >> 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	

Name	Required	Type	Description
>> 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	
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	

Name	Required	Type	Description
>> 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

Name	Required	Type	Description
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	
>> >> >> 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

Name	Required	Type	Description
>> 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	
>>> 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	
>> 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	

Name	Required	Type	Description
>> 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
}
```

ping

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

Description

Used to perform ping detection and retrieve ping results.

Request

- Header

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

- Body

Name	Required	Type	Description
operate	Yes	integer	0: Check if a query is currently in progress 1: Initiate detection 2: Retrieve results 3: Close ping request
host	No	string	Domain name or IP address

- Body example

```
{
  "host": "192.168.60.185",
  "operate": 1
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> pinging	Yes	boolean	Is ping in progress?
>> result	Yes	string	Ping result.
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Return whether a ping is currently in progress**

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

- Response example: **Ping result returns**

```
{
  "code": 0,
  "data": {
    "pinging": false,
    "result": "PING 192.168.60.181 (192.168.60.181): 56 data
bytes\n64 bytes from 192.168.60.181: seq=0 ttl=64 time=3.061 ms\n64
bytes from 192.168.60.181: seq=1 ttl=64 time=1.931 ms\n64 bytes from
192.168.60.181: seq=2 ttl=64 time=1.874 ms\n64 bytes from
192.168.60.181: seq=3 ttl=64 time=1.766 ms\n\n--- 192.168.60.181 ping
statistics ---\n4 packets transmitted, 4 packets received, 0% packet
loss\nround-trip min/avg/max = 1.766/2.158/3.061 ms\n"
  },
  "message": "ok",
  "transmitTime": 0
}
```

- Response example: **Test ping operate error.**

```
{
  "code": 2006,
  "message": "Test ping operate error.",
  "transmitTime": 0
}
```

- Response example: **Test ping already exist.**

```
{
  "code": 2007,
  "message": "Test ping already exist.",
  "transmitTime": 1
}
```

networkOccupy

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

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
}
```

Validation

getPlaybackList

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

Description

Retrieve playback list.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> memory	Yes	object	
>> >> total	Yes	integer	Total available memory for recording, Unit: MB.

Name	Required	Type	Description
>>>> free	Yes	integer	Remaining available memory for recording, Unit: MB.
>>>> used	Yes	integer	Memory used for recording, Unit: MB.
>> list	Yes	[object]	
>>>> id	No	integer	
>>>> name	No	string	
>>>> startTime	No	string	Start Time Format: YYYY-MM-DDTHH:MM:SS.sss
>>>> endTime	No	string	End Time Format: YYYY-MM-DDTHH:MM:SS.sss
>>>> duration	No	integer	Duration
>>>> status	No	integer	Status 0: Idle 1: Recording 2: Recording successful 3: Manually stopped 4: Abnormally terminated 5: Failed
>>>> size	No	integer	Recording size (MB)
>> status	No	integer	0: Idle 1: Recording 2: Initialization failed
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
  "data": {
    "list": [
      {
        "duration": 0,
        "endTime": "2024-12-13T22:02:08.062",
        "id": 0,
        "name": "Taskname",
        "size": 150,
        "startTime": "2024-12-13T22:02:01.768",
        "status": 3
      },
      {
        "duration": 19,
```



```

    "endTime": "2024-12-16T11:12:07.359",
    "id": 1,
    "name": "Taskname",
    "size": 1500,
    "startTime": "2024-12-16T10:52:46.617",
    "status": 3
  },
  {
    "duration": 10,
    "endTime": "2024-12-16T10:02:24.503",
    "id": 2,
    "name": "Taskname",
    "size": 850,
    "startTime": "2024-12-16T09:52:51.225",
    "status": 3
  }
],
"memory": {
  "free": 5650,
  "total": 8150,
  "used": 2500
},
"status": 1
},
"message": "ok",
"transmitTime": 5
}

```

setPlaybackTask

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

Description

Used to operate on a single recording task.

Request

- Header

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

- Body

Name	Required	Type	Description
id	No	integer	No ID required when adding.
operation	Yes	integer	Operation to be executed 0: Add 1: Stop recording (must be recording) 2: Delete recording (must be completed)

Name	Required	Type	Description
task	No	object	Details of the task when adding (Only required when adding a task).
>> name	No	string	
>> recordMode	No	integer	Recording mode 0: Record now 1: Setting time
>> startTime	No	string	Start Time Format: YYYY-MM-DDTHH:MM:SS.sss
>> duration	No	integer	Duration (min)

- Body example

```

{
  "id": 5,
  "operation": 0,
  "task": {
    "name": "task1",
    "recordMode": 1,
    "startTime": "2024-11-28T14:55:12.000",
    "duration": 69
  }
}

```

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
}

```

- Response example: **Playback task already exists**

```
{
  "code": 901,
  "message": "Playback task already exists",
  "transmitTime": 4
}
```

- Response example: **Playback task does not exist**

```
{
  "code": 902,
  "message": "Playback task does not exist",
  "transmitTime": 4
}
```

- Response example: **Playback time conflict**

```
{
  "code": 903,
  "message": "Playback time conflict",
  "transmitTime": 4
}
```

- Response example: **Playback recording**

```
{
  "code": 904,
  "message": "Playback recording",
  "transmitTime": 4
}
```

- Response example: **Playback not recording**

```
{
  "code": 905,
  "message": "Playback not recording",
  "transmitTime": 2
}
```

- Response example: **Playback task quantity reaches upper limit**

```
{
  "code": 907,
  "message": "Playback task quantity reaches upper limit",
  "transmitTime": 4
}
```

- Response example: **Playback memory is not enough**

```
{
  "code": 928,
  "message": "Playback memory is not enough",
  "transmitTime": 4
}
```

getPlaybackTask

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

Description

Used to retrieve the details of a single recording task.

Request

- Header

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

- Body

Name	Required	Type	Description
id	Yes	integer	Recording task ID

- Body example

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

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	integer	
data	No	object	
>> task	Yes	object	
>> >> id	Yes	integer	
>> >> name	Yes	string	

Name	Required	Type	Description
>> >> status	Yes	integer	Status: 0: Idle 1: Recording 2: Recording Successful 3: Manually Stopped 4: Abnormally Terminated 5: Failed
>> >> startTime	Yes	string	Actual Start Time, Format: YYYY-MM-DDTHH:MM:SS.sss
>> >> startTimestamp	Yes	integer	Timestamp of the Actual Start Time, Unit: ms
>> >> endTime	Yes	string	Actual End Time, Format: YYYY-MM-DDTHH:MM:SS.sss
>> >> duration	Yes	integer	Actual Recording Duration, Unit: min
>> >> taskStartTime	Yes	string	Task Start Time, Format: YYYY-MM-DDTHH:MM:SS.sss
>> >> taskDuration	Yes	integer	Task Recording Duration, Unit: min
>> algoInfo	Yes	object	Algorithm configuration at the start of recording.
>> >> 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	
>> >> >> list	No	[object]	
>> >> >> >> coords	Yes	[object]	

Name	Required	Type	Description
>>>>>>>> x	Yes	integer	
>>>>>>>> y	Yes	integer	
>>>>>>>> id	Yes	integer	
>>>>>>>> name	Yes	string	
>>>>>>>> uuid	Yes	string	
>>>>>>>> flip	Yes	boolean	
>>>>>>>> uturnEnable	Yes	boolean	
>>>>>>>> uturnCoords	Yes	[object]	
>>>>>>>>> x	Yes	integer	
>>>>>>>>> y	Yes	integer	
>>>> regionInfo	Yes	object	
>>>>> enable	Yes	boolean	
>>>>> list	No	[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	

Name	Required	Type	Description
>>> sex	Yes	object	
>>>> enable	Yes	boolean	
>>> trackMode	Yes	integer	0:Heads Tracking 1:Feet Tracking
>>>> resetOnSchedule	Yes	object	
>>>>> enable	Yes	boolean	
>>>>> wDay	Yes	integer	0-6, 0:Sunday, 6:Saturday 7:Everyday
>>>>> dSec	Yes	integer	0-86399
>>>>> cascadeMode	Yes	integer	0: standalone 1: Master 2: Node
>>>> groupCount	Yes	object	
>>>>> countMax	Yes	integer	Maximum Number in a Group
>>>>> countMin	Yes	integer	Minimum Number in a Group
>>>>> 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	
>>>>>>> detectExclusion	Yes	object	Obstacle Exclusion
>>>>>>> enable	Yes	boolean	
>>>>>>> realList	Yes	[object]	Actual Filtering Area of the Device
>>>>>>>> deviceId	No	integer	This field appears only when the device is the master device. 0: Master Device 1-15: Slave Device ID

Name	Required	Type	Description
>>>>> list	Yes	[object]	
>>>>>> id	No	integer	
>>>>>>> type	No	integer	0: Detection Exclusion 1: Height Exclusion
>>>>>>> coords	No	[object]	
>>>>>>>> x	No	integer	
>>>>>>>> y	No	integer	
>>>> mapList	No	[object]	Return master-slave device mapping and obstacle filtering area only when the device is the master device.
>>>>> deviceId	No	integer	0: Master, 1-15: Node device ID
>>>>> list	No	[object]	
>>>>>> id	No	integer	
>>>>>>> type	No	integer	0: Detection Exclusion 1: Height Exclusion
>>>>>>> coords	No	[object]	
>>>>>>>> x	No	integer	
>>>>>>>> y	No	integer	
>>>> historyTrackPoint	Yes	object	
>>>>> enable	Yes	boolean	
>> cascadeInfo	No	[object]	Multi-device stitching configuration at the start of recording.
>>>> parent	No	object	
>>>>> id	No	integer	-1: Root node 0: Master device 1-15: Slave device ID
>>>>> rotation	No	integer	
>>>>> points	No	[object]	
>>>>>> x	No	integer	
>>>>>> y	No	integer	

Name	Required	Type	Description
>>>> node	No	object	
>>>>> id	No	integer	0: Master device 1-15: Slave device ID
>>>>> rotation	No	integer	
>>>>> deviceInfo	No	object	
>>>>>> ip	No	string	
>>>>>> sn	No	string	
>>>>>> deviceName	No	string	
>>>>>> httpPort	No	integer	
>>>>>> deployHeight	No	integer	
>>>>>> httpsPort	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	
>>>>> status	No	integer	Connection status 1: Connected 2: Disconnected
>> lineTriggerEvent	Yes	[integer]	
message	Yes	string	
transmitTime	Yes	integer	

- Response example: **Success**

```
{
  "code": 0,
```

```
"data": {
  "algoInfo": {
    "cascadeMode": 1,
    "children": {
      "enable": false,
      "threshold": 1500
    },
    "deploy": {
      "acceleEnable": true,
      "height": 3177
    },
    "detectExclusion": {
      "enable": true,
      "mapList": [
        {
          "deviceId": 0,
          "list": [
            {
              "coords": [
                {
                  "x": 48,
                  "y": 29
                },
                {
                  "x": 70,
                  "y": 505
                },
                {
                  "x": 938,
                  "y": 515
                },
                {
                  "x": 942,
                  "y": 14
                }
              ],
              "id": 0,
              "type": 0
            }
          ]
        }
      ],
      "realList": [
        {
          "deviceId": 0,
          "list": [
            {
              "coords": [
                {
                  "x": 48,
                  "y": 29
                },
                {
                  "x": 70,
                  "y": 505
                }
              ],
            }
          ]
        }
      ]
    }
  }
}
```

```

        {
            "x": 938,
            "y": 515
        },
        {
            "x": 942,
            "y": 14
        }
    ],
    "id": 0,
    "type": 0
}
]
}
]
},
"detectScope": {
    "maxHeight": 2000,
    "minHeight": 1000
},
"groupCount": {
    "countMax": 20,
    "countMin": 1,
    "enable": false
},
"heatMap": {
    "enable": false
},
"historyTrackPoint": {
    "enable": true
},
"lineInfo": {
    "enable": true,
    "list": [
        {
            "coords": [
                {
                    "x": 417,
                    "y": 92
                },
                {
                    "x": 391,
                    "y": 403
                }
            ],
            "flip": false,
            "id": 0,
            "name": "Line1",
            "uturnCoords": [],
            "uturnEnable": false,
            "uuid": "919082b9-0346-46eb-86fe-03d34a34a284"
        },
        {
            "coords": [
                {
                    "x": 257,

```

```
        "y": 454
      },
      {
        "x": 755,
        "y": 209
      }
    ],
    "flip": false,
    "id": 1,
    "name": "Line2",
    "uturnCoords": [
      {
        "x": 269,
        "y": 320
      },
      {
        "x": 395,
        "y": 493
      },
      {
        "x": 701,
        "y": 412
      },
      {
        "x": 642,
        "y": 215
      }
    ],
    "uturnEnable": true,
    "uuid": "62f51285-b5d3-4db1-96df-c672acb233cb"
  }
]
},
"regionInfo": {
  "enable": true,
  "list": [
    {
      "coords": [
        {
          "x": 348,
          "y": 80
        },
        {
          "x": 317,
          "y": 382
        },
        {
          "x": 442,
          "y": 390
        },
        {
          "x": 480,
          "y": 78
        }
      ]
    },
    {
      "count": {
```

```
        "enable": true,
        "timeMin": 0
    },
    "dwellTime": {
        "enable": true,
        "timeMin": 0
    },
    "id": 0,
    "name": "Region1",
    "uuid": "6bc196b5-dc09-439d-a0aa-a446b9582b4c"
    }
    ]
},
"resetOnSchedule": {
    "dSec": 0,
    "enable": false,
    "wDay": 7
},
"sex": {
    "enable": false
},
"showDetectBox": {
    "depth": true,
    "enable": true,
    "merge": true,
    "real": true
},
"staffDetect": {
    "enable": false,
    "sensitivity": 50
},
"trackMode": 1
},
"cascadeInfo": [
    {
        "node": {
            "box": {
                "h": 540,
                "w": 960,
                "x": 0,
                "y": 0
            },
            "deviceInfo": {
                "deployHeight": 3177,
                "deviceName": "People Counter",
                "httpPort": 80,
                "httpsPort": 443,
                "ip": "192.168.60.183",
                "sn": "6834E16179950007"
            },
            "id": 0
        },
        "parent": {
            "id": -1
        }
    }
},
```

```
{
  "node": {
    "box": {
      "h": 1151,
      "w": 652,
      "x": 222,
      "y": -164
    },
    "deviceInfo": {
      "deployHeight": 3201,
      "deviceName": "People Counter",
      "httpPort": 80,
      "httpsPort": 65535,
      "ip": "192.168.60.231",
      "sn": "6834E23235430004"
    },
    "id": 2,
    "points": [
      {
        "x": 322,
        "y": 459
      },
      {
        "x": 474,
        "y": 304
      },
      {
        "x": 470,
        "y": 43
      },
      {
        "x": 331,
        "y": 234
      }
    ],
    "rotation": 90,
    "status": 1
  },
  "parent": {
    "id": 0,
    "points": [
      {
        "x": 339,
        "y": 209
      },
      {
        "x": 476,
        "y": 368
      },
      {
        "x": 779,
        "y": 389
      },
      {
        "x": 561,
        "y": 222
      }
    ]
  }
}
```

```

        }
      ],
      "rotation": 0
    }
  }
],
"lineTriggerEvent": [
  1734320117318,
  1734320117908,
  1734320118015
],
"task": {
  "duration": 1,
  "endTime": "2024-12-16T11:35:26.651",
  "id": 3,
  "name": "Taskname",
  "startTime": "2024-12-16T11:34:49.718",
  "startTimestamp": 1734320089718,
  "status": 3,
  "taskDuration": 30,
  "taskStartTime": "2024-12-16T11:34:46.538"
}
},
"message": "ok",
"transmitTime": 91
}

```

- Response example: ***Playback recording not finished***

```

{
  "code": 906,
  "message": "Playback recording not finished",
  "transmitTime": 9
}

```

