

VP2730

API User Guide

This document describes available `https` APIs and `SocketIO` events.

API Request Methods

The following request methods can be used by clients to access and/or configure the server:

1. GET

- List all resource information of an entry
- Retrieve resource data

2. POST

- Create a new resource entry
- Upload resources
- Perform a specific action provided by resources

3. PATCH

- Update resource data
- Replace a resource along with all of its elements

4. DELETE

- Delete a resource entry

API Request Authentication

Token Based Authentication

To access APIs, a credential is required in the `https` header of each API request.

```
Authorization: {credential}
```

To access APIs with a lower-tier permission, replace the credential with a "`roomcode: {roomcode}`".

```
Authorization: roomcode:{roomcode}
```

API Response Status Code Definitions

The following status codes are used to represent the results of client requests.

1 . Success

- 200 OK
- 201 Created
- 202 Accepted
- 204 No Content

2 . Client Error

- 400 Bad Request
- 401 Unauthorized
- 403 Forbidden
- 404 Not Found
- 405 Method Not Allowed
- 413 Payload Too Large

3 . Server Error

- 500 Internal Server Error
- 501 Not Implemented
- 503 Service Unavailable

API Response Error Handling

When errors occur, an error message with the following format is returned.

```
{
  "code": 40400,
  "message": "The resource is not found: {url}."
}
```

API Server Alive Testing

Testing Path: `https://{device_address}/api/v2.0/ping`

Change Log

Version	Date	Description
---------	------	-------------

Error Code Table

Status Code	Error Code	Error Message
400 Bad Request	40000	"The value of < field > is invalid: {value}."
400 Bad Request	40001	"The value of < field > is unsupported: {value}."

Status Code	Error Code	Error Message
400 Bad Request	40002	"The operation on < field > is disallowed."
400 Bad Request	40003	"The field cannot be recognized: < field >."
400 Bad Request	40004	"No message content found."
401 Unauthorized	40100	"User account is unauthorized."
403 Forbidden	40300	"The demand on the resource is refused."
404 Not Found	40400	"The resource is not found: {url}."
404 Not Found	40401	"The instance of the resource is not found: {idx}."
405 Method Not Allowed	40500	"The operation is disallowed."
413 Payload Too Large	41300	"The message is too large."
500 Internal Server Error	50000	"System error."
501 Not implemented	50100	"API version is unsupported."
503 Service Unavailable	50300	"System is overloaded."
503 Service Unavailable	50301	"System is down for maintenance."
503 Service Unavailable	50302	"Service is not ready."
503 Service Unavailable	50303	"Maximum is exceeded."
503 Service Unavailable	50304	"System is in recovery mode."

Authentication

Authentication group APIs are for handling access authentication.

Authentication - 0000-01 Query Token

Token Based Authentication

POST

```
/api/v2.0/auth/tokens
```

Permission: none

Request

Field	Type	Description
-------	------	-------------

Field	Type	Description
authorization	String	Authentication code is encoded by "username:password" in base64.

- Request Body [#parameter-examples-AuthGroup-QueryToken-2_0_0-0]

```
{
  "authorization": "<base64("username:password")>"
}
```

Success 200

Field	Type	Description
credential	String	To access APIs, a credential is required in the http header of API requests.

- Response 200 [#success-examples-AuthGroup-QueryToken-2_0_0-0]

```
{
  "credential": "6249a9bbdb3ec7072a1ee8752ba47f30567135c"
}
```

Error 400

Name	Description
Unauthorized	Incorrect username or password.

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 400 [#error-examples-AuthGroup-QueryToken-2_0_0-0]
- Response 500 [#error-examples-AuthGroup-QueryToken-2_0_0-1]

```
{
  "code": 40000,
  "message": "The value of <{field}> is invalid: {value}."
}
```

```
{
  "code": 50000,
  "message": "System error."
}
```

System

System group APIs are for handling system access management and settings.

System - 0100-01 Resources

GET

```
/api/v2.0/system/resources
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-AllSystemResources-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
resources	Object[]	API resource information objects that can be accessed.
id	String	Access resource ID.
resource	String	Access resource path.

- Response 200 [#success-examples-SystemGroup-AllSystemResoureces-2_0_0-0]

```
{
  "resources": [
    {
      "id": "<index string>",
      "resource": "<resource path>"
    },
    ...
  ]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occured.

- Response 500 [#error-examples-SystemGroup-AllSystemResoureces-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

System - 0101-01 Information

GET

```
/api/v2.0/system/info
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-SystemInfomation-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description														
modelName	String	System model name.														
deviceName	String	System device name.														
serialNumber	String	System serial number.														
uptime	Number	System update time shown in seconds.														
status	String	System status. <table border="1" data-bbox="678 833 1485 1261"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>normal</td> <td>Normal</td> </tr> <tr> <td>backup</td> <td>Backing up files</td> </tr> <tr> <td>restore</td> <td>Restoring backup files</td> </tr> <tr> <td>resetting</td> <td>Resetting to default</td> </tr> <tr> <td>fwUploading</td> <td>Uploading firmware</td> </tr> <tr> <td>fwUpgrading</td> <td>Upgrading firmware</td> </tr> </tbody> </table>	value	meaning	normal	Normal	backup	Backing up files	restore	Restoring backup files	resetting	Resetting to default	fwUploading	Uploading firmware	fwUpgrading	Upgrading firmware
value	meaning															
normal	Normal															
backup	Backing up files															
restore	Restoring backup files															
resetting	Resetting to default															
fwUploading	Uploading firmware															
fwUpgrading	Upgrading firmware															
fwVersion	String	Firmware version information.														
fwUpgradeType	Number	Firmware upgrade type. <table border="1" data-bbox="678 1554 1485 1675"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>ATEN FW upgrade : HTTPS</td> </tr> </tbody> </table>	value	meaning	3	ATEN FW upgrade : HTTPS										
value	meaning															
3	ATEN FW upgrade : HTTPS															
boardVersion	String	Video board version information.														
buildVersion	String	Firmware build version information.														

- Response 200 [#success-examples-SystemGroup-SystemInformation-2_0_0-0]

```
{
  "modelName": "VP2730",
  "deviceName": "VP2730",
  "serialNumber": "0000000000",
  "uptime": 12834,
  "status": "normal",
  "fwVersion": "1.2.111",
  "fwUpgradeType": 3,
  "boardVersion": "A-05",
  "buildVersion": "19120568"
}
```

Error 500

Name	Description
InternalServerError	Internal server error occured.

- Response 500 [#error-examples-SystemGroup-SystemInfomation-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

System - 0123-01 Get OSD

GET

```
/api/v2.0/system/osd
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-GetSystemOSD-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description						
multiviewLabel	Number	Multiview label showing on/off. <table border="1"><thead><tr><th>value</th><th>meaning</th></tr></thead><tbody><tr><td>1</td><td>Off</td></tr><tr><td>2</td><td>On</td></tr></tbody></table> Allowed values: 1, 2	value	meaning	1	Off	2	On
value	meaning							
1	Off							
2	On							
notification	Object	Notification settings.						
systemEvent	Object	System event notification showing on/off.						
interactiveEvent	Object	Interactive event notification showing on/off.						
language	Object	Language setting.						
value	String	Language setting value.						
valid	String[]	Array of valid language settings.						

- Response 200 [#success-examples-SystemGroup-GetSystemOSD-2_0_0-0]

```
{
  "multiviewLabel": 2,
  "notification": {
    "systemEvent": 2,
    "interactiveEvent": 2
  },
  "language": {
    "value": "en_US",
    "valid": [
      "en_US",
      "zh_TW",
      "zh_CN",
      "ja_JP",

```

```
    "de_DE",
    "ko_KR",
    "ru_RU",
    "fr_FR",
    "es_ES",
    "pt_PT",
    "it_IT"
  ]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-SystemGroup-GetSystemOSD-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

System - 0123-02 Set OSD

PATCH

```
/api/v2.0/system/osd
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-SetSystemOSD-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description						
multiviewLabel optional	Number	Multiview label showing on/off. <table border="1" data-bbox="678 264 1485 443"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Off</td> </tr> <tr> <td>2</td> <td>On</td> </tr> </tbody> </table> Allowed values: 1, 2	value	meaning	1	Off	2	On
value	meaning							
1	Off							
2	On							
notification optional	Object	Notification settings.						
systemEvent optional	Object	System event notification showing on/off.						
interactiveEvent optional	Object	Interactive event notification showing on/off.						
language optional	Object	Language setting.						
value optional	String	Language setting value.						

- Request Body [#parameter-examples-SystemGroup-SetSystemOSD-2_0_0-0]

```

{
  "multiviewLabel": 2,
  "notification": {
    "systemEvent": 2,
    "interactiveEvent": 2
  },
  "language": {
    "value": "en_US"
  }
}

```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-SystemGroup-SetSystemOSD-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-SystemGroup-SetSystemOSD-2_0_0-0]

```
{  
  "code": 50000,  
  "message": "System error."  
}
```

System - 0124-01 Get Room

GET

```
/api/v2.0/system/room
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-GetSystemRoom-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
name	String	Room name, which is the same as device name.
description	Object	Room description.

Field	Type	Description								
security	Object	Room security setting.								
code optional	String	Room security verification code.								
verification	Number	Room security verification being on/off. <table border="1" data-bbox="678 510 1485 694"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table> <p>Allowed values: 1, 2</p>	value	meaning	1	off	2	on		
value	meaning									
1	off									
2	on									
photo	String	Room avatar photo url path.								
moderator optional	String	Room moderator setting. Allowed values: {participant id} or ""								
qrCode optional	String	Room QR code url path.								
linkInfo optional	Number	The OSD showing link information on/off. <table border="1" data-bbox="678 1350 1485 1594"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table> <p>Allowed values: 1, 2</p>	value	meaning	0	Unsupported	1	off	2	on
value	meaning									
0	Unsupported									
1	off									
2	on									

- Response 200 [#success-examples-SystemGroup-GetSystemRoom-2_0_0-0]

```
{
  "name": "VP2730",
  "description": "VP2730",
  "security": {
    "code": "1114",
    "verification": 1
  }
}
```

```
},
"moderator": "",
"photo": "https://10.3.56.46:443/static/picture/default_icon.jpg",
"qrCode": "",
"linkInfo": 0,
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-SystemGroup-GetSystemRoom-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

System - 0124-02 Set Room

PATCH

```
/api/v2.0/system/room
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-SetSystemRoom-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
name optional	String	Room name, which is the same as device name.

Field	Type	Description						
description optional	Object	Room description.						
security optional	Object	Room security setting.						
verification optional	Number	Room security verification on/off. <table border="1" data-bbox="678 510 1485 694"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Off</td> </tr> <tr> <td>1</td> <td>On</td> </tr> </tbody> </table> <p>Allowed values: 0, 1</p>	value	meaning	0	Off	1	On
value	meaning							
0	Off							
1	On							
code optional	String	Room security verification code.						
moderator optional	String	Room moderator setting. Allowed values: {participant id} or ""						

- Request Body [#parameter-examples-SystemGroup-SetSystemRoom-2_0_0-0]

```

{
  "name": "VP2730",
  "description": "VP2730",
  "security": {
    "code": "1111",
    "verification": 0
  },
  "moderator": "{participant id}"
}

```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-SystemGroup-SetSystemRoom-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

System - 0125-01 All Participants

GET

```
/api/v2.0/system/participants
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-SystemParticipants-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
participants	Object[]	Participant data list. <more.> [#api-SystemGroup-GetSystemParticipant]

- Response 200 [#success-examples-SystemGroup-SystemParticipants-2_0_0-0]

```
{
  "participants": [
    {
      "id": "3KvfH4n6G6",
      "name": "join name",
      "share": [
        "video",
        "audio"
      ]
    }
  ],
}
```

```
    ...
  ]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-SystemGroup-SystemParticipants-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

System - 0125-02 Get Participant

GET

```
/api/v2.0/system/participants/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-GetSystemParticipant-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
id	String	Participant ID.
name	String	Participant name.

Field	Type	Description
share	String[]	Shared contents of the participant.

- Response 200 [#success-examples-SystemGroup-GetSystemParticipant-2_0_0-0]

```
{
  "id": "3KvfH4n6G6",
  "name": "join name",
  "share": [
    "video",
    "audio"
  ]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-SystemGroup-GetSystemParticipant-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

System - 0125-03 Join Authentication

POST

/api/v2.0/system/participants

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-SystemGroup-JoinParticipant-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
id	String	Participant ID.
count	String	Number of participants joined.

- Response 200 [#success-examples-SystemGroup-JoinParticipant-2_0_0-0]

```
{  
  "id": "3KvfH4n6G6",  
  "count": 0  
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-SystemGroup-JoinParticipant-2_0_0-0]

```
{  
  "code": 50000,  
  "message": "System error."  
}
```

Audio

Audio group APIs are for handling sound control and audio I/O management.

Audio - 0600-01 Resources

GET

```
/api/v2.0/audio/resources
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-AllAudioResources-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
resources	Object[]	API resource information objects that can be accessed.
id	String	Access resource ID.
resource	String	Access resource path.

- Response 200 [#success-examples-AudioGroup-AllAudioResources-2_0_0-0]

```
{
  "resources": [
    {
      "id": "<index string>",
      "resource": "<resource path>"
    },
    ...
  ]
}
```

Error 500

Name	Description
------	-------------

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-AllAudioResources-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Audio - 0620-01 All Inputs

GET

```
/api/v2.0/audio/inputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-AllAudioInputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
inputs	Object[]	Audio input index.

- Response 200 [#success-examples-AudioGroup-AllAudioInputs-2_0_0-0]

```
{
  "inputs": [
    {
      "id": "STM1",
      "name": "STM1",

```

```

    "type": "digital",
    "idx": -1,
    "status": 0,
    "volume": 100,
    "gain": -1,
    "mute": {
      "value": 1,
      "valid": [
        1,
        2
      ]
    }
  },
  ...
]
}

```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-AllAudioInputs-2_0_0-0]

```

{
  "code": 50000,
  "message": "System error."
}

```

Audio - 0620-02 Get Input

GET

```
/api/v2.0/audio/inputs/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-GetAudioInput-2_0_0-0]

Authorization: "< {credential} or {Basic base64('username:password')} >"

URL

Field	Type	Description
id	String	Access audio input data.

Success 200

Field	Type	Description								
id	String	Audio ID.								
name	String	Audio name.								
type	String	Audio type.								
idx	Number	Audio input port index. idx = 1 means unsupported index.								
status	Number	Audio connection status. <table border="1" data-bbox="687 1350 1485 1597"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>normal (source connected)</td> </tr> <tr> <td>1</td> <td>source disconnected</td> </tr> <tr> <td>2</td> <td>N/A</td> </tr> </tbody> </table>	value	meaning	0	normal (source connected)	1	source disconnected	2	N/A
value	meaning									
0	normal (source connected)									
1	source disconnected									
2	N/A									
volume	Number	Audio volume setting. Size range: 0 - 100								
gain	Number	Audio gain setting. gain = -1 means unsupported gain. Size range: 0 - 30								

Field	Type	Description								
mute	Object	Audio mute setting.								
value	Number	Audio mute on/off. <table border="1" data-bbox="687 387 1485 631"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning									
0	unsupported									
1	off									
2	on									
valid	Number[]	Valid mute value.								

- Response 200 [#success-examples-AudioGroup-GetAudioInput-2_0_0-0]

```

{
  "id": "STM1",
  "name": "STM1",
  "type": "digital",
  "idx": -1,
  "status": 0,
  "volume": 100,
  "gain": -1,
  "mute": {
    "value": 1,
    "valid": [
      1,
      2
    ]
  }
}

```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-GetAudioInput-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Audio - 0620-03 Update Inputs

PATCH

```
/api/v2.0/audio/inputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-UpdateAudioInputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
inputs	Object[]	Audio input setting.

- Request Body [#parameter-examples-AudioGroup-UpdateAudioInputs-2_0_0-0]

```
{
  "inputs": [
    {
      "id": "STM1",
      "volume": 100,
      "gain": 10,
      "mute": {
        "value": 1
      }
    }
  ],
  ...
}
```

```
]
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-AudioGroup-UpdateAudioInputs-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-UpdateAudioInputs-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Audio - 0620-04 Set Input

PATCH

```
/api/v2.0/audio/inputs/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-SetAudioInput-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

URL

Field	Type	Description
id	String	Access audio input data.

Request

Field	Type	Description								
volume optional	Number	Audio volume setting. Size range: 0 - 100								
gain optional	Number	Audio gain setting. gain = -1 means unsupported gain. Size range: 0 - 30								
mute optional	Object	Audio mute setting.								
value optional	Number	Audio mute on/off. <table border="1"><thead><tr><th>value</th><th>meaning</th></tr></thead><tbody><tr><td>0</td><td>unsupported</td></tr><tr><td>1</td><td>off</td></tr><tr><td>2</td><td>on</td></tr></tbody></table>	value	meaning	0	unsupported	1	off	2	on
value	meaning									
0	unsupported									
1	off									
2	on									

- Request Body [#parameter-examples-AudioGroup-SetAudioInput-2_0_0-0]

```
{
  "volume": 100,
  "gain": -1,
  "mute": {
    "value": 1
  }
}
```

Success 204

Field	Description
-------	-------------

Field	Description
Null	No content response.

- Response 204 [#success-examples-AudioGroup-SetAudioInput-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-SetAudioInput-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Audio - 0621-01 All Outputs

GET

```
/api/v2.0/audio/outputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-AllAudioOutputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
-------	------	-------------

Field	Type	Description
outputs	Object[]	Audio output index.

- Response 200 [#success-examples-AudioGroup-AllAudioOutputs-2_0_0-0]

```
{
  "outputs": [
    {
      "id": "ALL",
      "name": "ALL",
      "type": "overall",
      "idx": -1,
      "status": 0,
      "volume": 100,
      "gain": -1,
      "mute": {
        "valid": [
          1,
          2
        ],
        "value": 1
      }
    }
  ]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-AllAudioOutputs-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Audio - 0621-02 Get Output

GET

```
/api/v2.0/audio/outputs/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-GetAudioOutput-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

URL

Field	Type	Description
id	String	Access audio output data.

Success 200

Field	Type	Description
id	String	Audio ID.
name	String	Audio name.
type	String	Audio type.
idx	Number	Audio output port index. If idx = -1, meaning unsupported idx setting.

Field	Type	Description								
status	Number	<p>Audio connection status.</p> <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>normal (source connected)</td> </tr> <tr> <td>1</td> <td>source disconnected</td> </tr> <tr> <td>2</td> <td>N/A</td> </tr> </tbody> </table>	value	meaning	0	normal (source connected)	1	source disconnected	2	N/A
value	meaning									
0	normal (source connected)									
1	source disconnected									
2	N/A									
volume	Number	<p>Audio volume setting.</p> <p>Size range: 0 - 100</p>								
gain	Number	<p>Audio gain setting.</p> <p>gain = -1 means unsupported gain.</p> <p>Size range: 0 - 30</p>								
mute	Object	<p>Audio mute setting.</p>								
value	Number	<p>Audio mute on/off.</p> <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning									
0	unsupported									
1	off									
2	on									
valid	Number[]	<p>Valid mute value.</p>								

- Response 200 [#success-examples-AudioGroup-GetAudioOutput-2_0_0-0]

```
{
  "id": "ALL",
  "name": "ALL",
  "type": "overall",
  "idx": -1,
  "status": 0,
  "volume": 100,
  "gain": -1,
```

```
"mute": {
  "valid": [
    1,
    2
  ],
  "value": 1
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-GetAudioOutput-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Audio - 0621-03 Update Outputs

PATCH

```
/api/v2.0/audio/outputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-UpdateAudioOutputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
-------	------	-------------

Field	Type	Description
outputs	Object[]	Audio output setting.

- Request Body [#parameter-examples-AudioGroup-UpdateAudioOutputs-2_0_0-0]

```
{
  "outputs": [
    {
      "id": "ALL",
      "volume": 100,
      "mute": {
        "value": 1
      }
    },
    ...
  ]
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-AudioGroup-UpdateAudioOutputs-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-UpdateAudioOutputs-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Audio - 0621-04 Set Output

PATCH

```
/api/v2.0/audio/outputs/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-AudioGroup-SetAudioOutput-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

URL

Field	Type	Description
id	String	Access audio output data.

Request

Field	Type	Description
volume optional	Number	Audio volume setting. Size range: 0 - 100
gain optional	Number	Audio gain setting. gain = -1 means unsupported gain. Size range: 0 - 30
mute optional	Object	Audio mute setting.

Field	Type	Description								
value	optional	Number								
		Audio mute on/off.								
		<table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning									
0	unsupported									
1	off									
2	on									

- Request Body [#parameter-examples-AudioGroup-SetAudioOutput-2_0_0-0]

```
{
  "volume": 100,
  "gain": -1,
  "mute": {
    "value": 1
  }
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-AudioGroup-SetAudioOutput-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-AudioGroup-SetAudioOutput-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video

Video group APIs are for handling video I/O control and management.

Video - 0500-01 Resourecs

GET

```
/api/v2.0/video/resources
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-AllVideoResourecs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
resources	Object[]	API resource information objects that can be accessed.
id	String	Access resource ID.
resource	String	Access resource path.

- Response 200 [#success-examples-VideoGroup-AllVideoResourecs-2_0_0-0]

```
{  
  "resources": [  
    {
```

```

    "id": "<index string>",
    "resource": "<resource path>"
  },
  ...
]
}

```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-AllVideoResources-2_0_0-0]

```

{
  "code": 50000,
  "message": "System error."
}

```

Video - 0501-01 Get Configs

GET

```
/api/v2.0/video/configs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoConfigs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 200

Field	Type	Description
edid	Object	EDID setting.

Field	Type	Description						
valid	Number[]	Valid array value.						
value	Number	Mode. <table border="1" data-bbox="691 387 1485 568"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ATEN mode</td> </tr> <tr> <td>2</td> <td>port 1 mode</td> </tr> </tbody> </table>	value	meaning	1	ATEN mode	2	port 1 mode
value	meaning							
1	ATEN mode							
2	port 1 mode							
inputStream	Object	Input stream setting.						
valid	Number[]	Valid array value.						
value	Number	Current value. <table border="1" data-bbox="691 987 1485 1169"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>static</td> </tr> <tr> <td>2</td> <td>dynamic</td> </tr> </tbody> </table>	value	meaning	1	static	2	dynamic
value	meaning							
1	static							
2	dynamic							

- Response 200 [#success-examples-VideoGroup-GetVideoConfigs-2_0_0-0]

```

{
  "edid": {
    "valid": [
      1,
      2
    ],
    "value": 1
  },
  "inputStream": {
    "valid": [
      1,
      2
    ],
    "value": 2
  }
}

```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-GetVideoConfigs-2_0_0-0]

```
{  
  "code": 50000,  
  "message": "System error."  
}
```

Video - 0501-02 Set Configs

PATCH

```
/api/v2.0/video/configs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-SetVideoConfigs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description						
edid	Object	EDID valid array value setting.						
value	Number	Mode. <table border="1"><thead><tr><th>value</th><th>meaning</th></tr></thead><tbody><tr><td>1</td><td>ATEN mode</td></tr><tr><td>2</td><td>port 1 mode</td></tr></tbody></table>	value	meaning	1	ATEN mode	2	port 1 mode
value	meaning							
1	ATEN mode							
2	port 1 mode							

Field	Type	Description						
inputStream	Object	Input stream setting.						
value	Number	Current value. <table border="1" data-bbox="678 387 1485 568"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>static</td> </tr> <tr> <td>2</td> <td>dynamic</td> </tr> </tbody> </table>	value	meaning	1	static	2	dynamic
value	meaning							
1	static							
2	dynamic							

- Request Body [#parameter-examples-VideoGroup-SetVideoConfigs-2_0_0-0]

```
{
  "edid": {
    "value": 1
  },
  "inputStream": {
    "value": 2
  }
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-SetVideoConfigs-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-SetVideoConfigs-2_0_0-0]

```
{
  "code": 50000,
}
```

```
"message": "System error."
}
```

Video - 0502-01 All Resolutions

GET

```
/api/v2.0/video/scalerResolutions
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-VideoResolutions-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
scalerResolutions	Object[]	Scaler resolution array.
object	Object	
id	Number	Scaler resolution ID.
description	String	Scaler resolution description.

- Response 200 [#success-examples-VideoGroup-VideoResolutions-2_0_0-0]

```
{
  "scalerResolutions": [
    {
      "id": 0,
      "description": "1920x1200@85"
    },
    {
```

```
    "id": 1,
    "description": "1920x1200@75"
  },
  ...
]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-VideoResolutions-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0513-01 All Profiles

GET

```
/api/v2.0/video/vpProfiles
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-AllVideoProfiles-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
Profiles	Object[]	Video profiles array.

- Response 200 [#success-examples-VideoGroup-AllVideoProfiles-2_0_0-0]

```
{
  "profiles": [
    {
      "multiview": 0,
      "id": "0",
      "name": "Profile 0"
    },
    {
      "multiview": 1,
      "id": "1",
      "name": "Profile 1"
    },
    ...
  ]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occured.

- Response 500 [#error-examples-VideoGroup-AllVideoProfiles-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0513-02 Get Profile

GET

```
/api/v2.0/video/vpProfiles/<id>
```

Header

Field	Type	Description
-------	------	-------------

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoProfile-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
id	String	Video profile ID.
name	String	Video profile name.
multiview	String	Video profile multiview index.

- Response 200 [#success-examples-VideoGroup-GetVideoProfile-2_0_0-0]

```
{
  "id": "0",
  "name": "Profile 0"
  "multiview": "0",
}
```

Error 500

Name	Description
InternalServerError	Internal server error ocured.

- Response 500 [#error-examples-VideoGroup-GetVideoProfile-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0514-01 Get Now Profile

GET

```
/api/v2.0/video/vpProfiles/now
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoNowProfile-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
id	String	Video profile ID.
name	String	Video profile name.
multiview	String	Video profile multiview index.

- Response 200 [#success-examples-VideoGroup-GetVideoNowProfile-2_0_0-0]

```
{  
  "id": "0",  
  "name": "Profile 0"  
  "multiview": "0",  
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-GetVideoNowProfile-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0514-02 Set Now Profile

PATCH

```
/api/v2.0/video/vpProfiles/now
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-SetVideoNowProfile-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
id	String	Video profile ID.
name	String	Video profile name.
multiview	String	Video profile multiview index.

- Request Body [#parameter-examples-VideoGroup-SetVideoNowProfile-2_0_0-0]

```
{
  "id": "0",
  "name": "Profile 0"
  "multiview": "0",
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-SetVideoNowProfile-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-SetVideoNowProfile-2_0_0-0]

```
{  
  "code": 50000,  
  "message": "System error."  
}
```

Video - 0515-01 All Multiviews

GET

```
/api/v2.0/video/multiviews
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-AllVideoMultiviews-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
multiviews	Object[]	Video multiview array.

- Response 200 [#success-examples-VideoGroup-AllVideoMultiviews-2_0_0-0]

```
{
  "multiviews": [
    {
      "id": "0",
      "description": "Layout 0",
      "mainView": "-1",
      "views": [
        {
          "id": "0"
          "source": "0",
          "coordinate": {
            "wRatio": 0.5,
            "hRatio": 0.5,
            "xRatio": 0
            "yRatio": 0.25,
            "zOrder": 0,
          },
        },
        {
          "id": "1",
          "source": "1",
          "coordinate": {
            "wRatio": 0.5,
            "hRatio": 0.5,
            "yRatio": 0.25,
            "xRatio": 0.5,
            "zOrder": 1,
          },
        },
        ...
      ],
    },
    ...
  ]
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-AllVideoMultiviews-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0515-02 Get Multiview

GET

```
/api/v2.0/video/multiviews/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoMultiview-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
id	String	Video multiview ID.
description[]	String	Video multiview description.
mainView	String	Video multiview - focus view ID.
views	Object[]	

Field	Type	Description
id	String	Video view ID.
source	String	Video input ID.
coordinate	Object	
wRatio	Number	Video width ratio. Size range: 0 - 1
hRatio	Number	Video height ratio. Size range: 0 - 1
xRatio	Number	Video horizontal (x) ratio. Size range: 0 - 1
yRatio	Number	Video vertical (y) ratio. Size range: 0 - 1
zOrder	Number	Video order (z).

- Response 200 [#success-examples-VideoGroup-GetVideoMultiview-2_0_0-0]

```
{
  "id": "0",
  "description": "Layout 0",
  "mainView": "-1",
  "views": [
    {
      "id": "0"
      "source": "0",
      "coordinate": {
        "wRatio": 0.5,
        "hRatio": 0.5,
        "xRatio": 0
        "yRatio": 0.25,
```

```

        "zOrder": 0,
    },
},
{
    "id": "1",
    "source": "1",
    "coordinate": {
        "wRatio": 0.5,
        "hRatio": 0.5,
        "yRatio": 0.25,
        "xRatio": 0.5,
        "zOrder": 1,
    },
}
...
],
}

```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-GetVideoMultiview-2_0_0-0]

```

{
  "code": 50000,
  "message": "System error."
}

```

Video - 0515-03 Update Multiviews

PATCH

```
/api/v2.0/video/multiviews
```

Header

Field	Type	Description
-------	------	-------------

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-UpdateVideoMultiviews-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
multiviews	Object[]	Video multiview array.

- Request Body [#parameter-examples-VideoGroup-UpdateVideoMultiviews-2_0_0-0]

```
{
  "multiviews": [
    {
      "id": "0",
      "description": "Layout 0",
      "mainView": "-1",
      "views": [
        {
          "id": "0"
          "source": "0",
          "coordinate": {
            "wRatio": 0.5,
            "hRatio": 0.5,
            "xRatio": 0
            "yRatio": 0.25,
            "zOrder": 0,
          },
        },
        {
          "id": "1",
          "source": "1",
          "coordinate": {
            "wRatio": 0.5,
            "hRatio": 0.5,
            "yRatio": 0.25,
            "xRatio": 0.5,
          },
        }
      ]
    }
  ]
}
```

```
        "zOrder": 1,
      },
    }
    ...
  ],
},
...
]
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-UpdateVideoMultiviews-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-UpdateVideoMultiviews-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0515-04 Set Multiview

PATCH

```
/api/v2.0/video/multiviews/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-SetVideoMultiview-2_0_0-0]

Authorization: "< {credential} or {Basic base64('username:password')} >"

Request

Field	Type	Description
id	String	Video multiview ID.
description optional	String	Video multiview description.
mainView	String	Video multiview - focus view ID.
views optional	Object[]	
id	String	Video View ID.
source	String	Video input ID.
coordinate	Object	
wRatio	Number	Video width ratio. Size range: 0 - 1
hRatio	Number	Video height ratio. Size range: 0 - 1
xRatio	Number	Video horizontal (x) ratio. Size range: 0 - 1
yRatio	Number	Video vertical (y) ratio. Size range: 0 - 1

Field	Type	Description
zOrder	Number	Video order (z).

- Request Body [#parameter-examples-VideoGroup-SetVideoMultiview-2_0_0-0]

```

{
  "id": "0",
  "description": "Layout 0",
  "mainView": "-1",
  "views": [
    {
      "id": "0"
      "source": "0",
      "coordinate": {
        "wRatio": 0.5,
        "hRatio": 0.5,
        "xRatio": 0
        "yRatio": 0.25,
        "zOrder": 0,
      },
    },
    {
      "id": "1",
      "source": "1",
      "coordinate": {
        "wRatio": 0.5,
        "hRatio": 0.5,
        "yRatio": 0.25,
        "xRatio": 0.5,
        "zOrder": 1,
      },
    },
    ...
  ],
}

```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-SetVideoMultiview-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-SetVideoMultiview-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0520-01 All Inputs

GET

```
/api/v2.0/video/inputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-AllVideoInputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
inputs	Object[]	Video input array.

- Response 200 [#success-examples-VideoGroup-AllVideoInputs-2_0_0-0]

```

{
  "inputs": [
    {
      "id": "0",
      "name": "Source 1",
      "type": "HDMI",
      "idx": 0,
      "status": 1,
      "source": {
        "valid": [
          "0"
        ],
        "value": "0"
      },
      "hdcv": {
        "valid": [
          2
        ],
        "value": 2
      },
      "thumbnail": "https://10.3.56.56:443/static/thumbnails/Snapshot0.bmp"
    },
    ...
  ]
}

```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-AllVideoInputs-2_0_0-0]

```

{
  "code": 50000,
  "message": "System error."
}

```

Video - 0520-02 Get Input

GET

```
/api/v2.0/video/inputs/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoInput-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description								
id	String	Video input ID.								
name	String	Video input name.								
type	String	Video input type.								
idx	String	Video input port index.								
status	Number	Video source status. <table border="1"><thead><tr><th>value</th><th>meaning</th></tr></thead><tbody><tr><td>0</td><td>normal(source connected)</td></tr><tr><td>1</td><td>source disconnected</td></tr><tr><td>2</td><td>N/A</td></tr></tbody></table>	value	meaning	0	normal(source connected)	1	source disconnected	2	N/A
value	meaning									
0	normal(source connected)									
1	source disconnected									
2	N/A									
source	Object									
valid	String[]	Valid array value.								
value	String	Video source value.								

Field	Type	Description										
hdcp	Object											
valid	Number[]	Valid array value.										
value	Number	Video HDCP value. <table border="1" data-bbox="689 450 1485 754"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>non-HDCP</td> </tr> <tr> <td>2</td> <td>HDCP 1.4</td> </tr> <tr> <td>3</td> <td>HDCP 2.2</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	non-HDCP	2	HDCP 1.4	3	HDCP 2.2
value	meaning											
0	unsupported											
1	non-HDCP											
2	HDCP 1.4											
3	HDCP 2.2											
thumbnail	String	Video input stream thumbnail path.										

- Response 200 [#success-examples-VideoGroup-GetVideoInput-2_0_0-0]

```
{
  "id": "0",
  "name": "Source 1",
  "type": "HDMI",
  "idx": 0,
  "status": 1,
  "source": {
    "valid": [
      "0"
    ],
    "value": "0"
  },
  "hdcp": {
    "valid": [
      2
    ],
    "value": 2
  },
  "thumbnail": "https://10.3.56.56:443/static/thumbnails/Snapshot0.bmp"
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-GetVideoInput-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0520-03 Update Inputs

PATCH

```
/api/v2.0/video/inputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-UpdateVideoInputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
inputs	Object[]	Video input array.

- Request Body [#parameter-examples-VideoGroup-UpdateVideoInputs-2_0_0-0]

```
{
  "inputs": [
    {
      "id": "0",
      "name": "Source 1",

```

```
    "idx": 0,
    "source": {
      "value": "0"
    }
  },
  ...
]
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-UpdateVideoInputs-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-UpdateVideoInputs-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0520-04 Set Input

PATCH

```
/api/v2.0/video/inputs/<id>
```

Header

Field	Type	Description
-------	------	-------------

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-SetVideoInput-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
name optional	String	Video input name.
idx optional	String	Video input port index.
source optional	Object	
value optional	String	Video source value.

- Request Body [#parameter-examples-VideoGroup-SetVideoInput-2_0_0-0]

```
{
  "name": "Source 1",
  "idx": 0,
  "source": {
    "value": "0"
  }
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-SetVideoInput-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-SetVideoInput-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0521-01 All Outputs

GET

```
/api/v2.0/video/outputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-AllVideoOutputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
outputs	Object[]	Video output array.

- Response 200 [#success-examples-VideoGroup-AllVideoOutputs-2_0_0-0]

```
{
  "outputs": [
    {
      "id": "0",
      "name": "Display A",
    }
  ]
}
```

```
"type": "HDMI",
"idx": -1,
"status": 0,
"displayResolution": {
  "valid": [
    17,
    19,
    29,
    53,
    73,
    77,
    89,
    91,
    97,
    101,
    109,
    113,
    127,
    137,
    145,
    149
  ],
  "value": 17
},
"fixHDCP": {
  "valid": [
    1,
    2
  ],
  "value": 2
},
"osd": {
  "valid": [
    1,
    2
  ],
  "value": 1
},
"blank": {
  "valid": [
    1,
    2
  ],
  "value": 1
}
```

```
    "value": 1
  },
  "freeze": {
    "valid": [
      1,
      2
    ],
    "value": 1
  },
  "fitMode": {
    "valid": [
      2,
      3,
      4
    ],
    "value": 2
  },
  "autoSwitch": {
    "plugout": {
      "mode": {
        "valid": [
          1,
          2,
          3
        ],
        "value": 1
      }
    },
    "plugin": {
      "mode": {
        "valid": [
          1,
          2
        ],
        "value": 1
      }
    }
  },
  ...
]
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-AllVideoOutputs-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0521-02 Get Output

GET

```
/api/v2.0/video/outputs/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoOutput-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
id	String	Video output ID.
name	String	Video output name.
type	String	Video output type.

Field	Type	Description								
idx	String	Video output port index.								
status	Number	Video source status. <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>normal(sink connected)</td> </tr> <tr> <td>1</td> <td>sink disconnected</td> </tr> <tr> <td>2</td> <td>N/A</td> </tr> </tbody> </table>	value	meaning	0	normal(sink connected)	1	sink disconnected	2	N/A
value	meaning									
0	normal(sink connected)									
1	sink disconnected									
2	N/A									
displayResolution	Object									
valid	Number[]	Video output display resolution valid array.								
value	Number	Video output display resolution value.								
fixHDCP	Object									
valid	Number[]	Video output fixHDCP valid array.								
value	Number	Video output fixHDCP value. <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning									
0	unsupported									
1	off									
2	on									
osd	Object									
valid	Number[]	Video output OSD valid array.								
value	Number	Video output OSD value. <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning									
0	unsupported									
1	off									
2	on									

Field	Type	Description												
blank	Object													
valid	Number[]	Video output blank valid array.												
value	Number	Video output blank value. <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on				
value	meaning													
0	unsupported													
1	off													
2	on													
freeze	Object													
valid	Number[]	Video output freeze valid array.												
value	Number	Video output freeze value. <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on				
value	meaning													
0	unsupported													
1	off													
2	on													
fitMode	Object													
valid	Number[]	Video output fitMode valid array.												
value	Number	Video output fitMode value. <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>fit width of output</td> </tr> <tr> <td>1</td> <td>fit height of output</td> </tr> <tr> <td>2</td> <td>scale to whole output</td> </tr> <tr> <td>3</td> <td>fit resolution by output</td> </tr> <tr> <td>4</td> <td>cut resolution by output</td> </tr> </tbody> </table>	value	meaning	0	fit width of output	1	fit height of output	2	scale to whole output	3	fit resolution by output	4	cut resolution by output
value	meaning													
0	fit width of output													
1	fit height of output													
2	scale to whole output													
3	fit resolution by output													
4	cut resolution by output													
autoSwitch	Object													

Field	Type	Description								
valid	Number[]	Video output autoSwitch valid array.								
value	Number	Video output autoSwitch value. <table border="1" data-bbox="692 387 1485 631"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning									
0	unsupported									
1	off									
2	on									
plugin	Object									
mode	Object	Video autoswitch plugin mode.								
valid	Number[]	Video autoswitch plugin mode valid array.								
value	Number	Video autoswitch plugin mode value. <table border="1" data-bbox="692 1111 1485 1355"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>auto</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	auto
value	meaning									
0	unsupported									
1	off									
2	auto									
plugout	Object									
mode	Object	Video autoswitch plugout mode.								
valid	Number[]	Video autoswitch plugout mode valid array.								
value	Number	Video autoswitch plugout mode value. <table border="1" data-bbox="692 1834 1485 2078"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>auto</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	auto
value	meaning									
0	unsupported									
1	off									
2	auto									

- Response 200 [#success-examples-VideoGroup-GetVideoOutput-2_0_0-0]

```
{
  "id": "0",
  "name": "Display A",
  "type": "HDMI",
  "idx": -1,
  "status": 0,
  "displayResolution": {
    "valid": [
      17,
      19,
      29,
      53,
      73,
      77,
      89,
      91,
      97,
      101,
      109,
      113,
      127,
      137,
      145,
      149
    ],
    "value": 17
  },
  "fixHDCP": {
    "valid": [
      1,
      2
    ],
    "value": 2
  },
  "osd": {
    "valid": [
      1,
      2
    ],
    "value": 1
  },
}
```

```
"blank":{
  "valid":[
    1,
    2
  ],
  "value":1
},
"freeze":{
  "valid":[
    1,
    2
  ],
  "value":1
},
"fitMode":{
  "valid":[
    2,
    3,
    4
  ],
  "value":2
},
"autoSwitch":{
  "plugout":{
    "mode":{
      "valid":[
        1,
        2,
        3
      ],
      "value":1
    }
  },
  "plugin":{
    "mode":{
      "valid":[
        1,
        2
      ],
      "value":1
    }
  }
}
```

```
}  
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-GetVideoOutput-2_0_0-0]

```
{  
  "code": 50000,  
  "message": "System error."  
}
```

Video - 0521-03 Update Outputs

PATCH

```
/api/v2.0/video/outputs
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-UpdateVideoOutputs-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
outputs	Object[]	Video output array.

- Request Body [#parameter-examples-VideoGroup-UpdateVideoOutputs-2_0_0-0]

```
{
  "outputs": [
    {
      "id": "0",
      "name": "Display A",
      "type": "HDMI",
      "idx": -1,
      "status": 0,
      "displayResolution": {
        "valid": [
          17,
          19,
          29,
          53,
          73,
          77,
          89,
          91,
          97,
          101,
          109,
          113,
          127,
          137,
          145,
          149
        ],
        "value": 17
      },
      "fixHDCP": {
        "valid": [
          1,
          2
        ],
        "value": 2
      },
      "osd": {
        "valid": [
          1,
          2
        ],
        "value": 1
      }
    }
  ]
}
```

```
},
"blank":{
  "valid":[
    1,
    2
  ],
  "value":1
},
"freeze":{
  "valid":[
    1,
    2
  ],
  "value":1
},
"fitMode":{
  "valid":[
    2,
    3,
    4
  ],
  "value":2
},
"autoSwitch":{
  "plugout":{
    "mode":{
      "valid":[
        1,
        2,
        3
      ],
      "value":1
    }
  },
  "plugin":{
    "mode":{
      "valid":[
        1,
        2
      ],
      "value":1
    }
  }
}
```

```
    },
  },
  ...
]
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-UpdateVideoOutputs-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-UpdateVideoOutputs-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0521-04 Set Output

PATCH

```
/api/v2.0/video/outputs/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-SetVideoOutput-2_0_0-0]

Authorization: "< {credential} or {Basic base64('username:password')} >"

Reqeust

Field		Type	Description								
id	optional	String	Video output ID.								
name	optional	String	Video output name.								
displayResolution	optional	Object									
value	optional	Number	Video output display resolution value.								
fixHDCP	optional	Object									
value	optional	Number	Video output fixHDCP value.								
			<table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning										
0	unsupported										
1	off										
2	on										
osd	optional	Object									
value	optional	Number	Video output OSD value.								
			<table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on
value	meaning										
0	unsupported										
1	off										
2	on										
blank	optional	Object									

Field		Type	Description												
value	optional	Number	<p>Video output blank value.</p> <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on				
value	meaning														
0	unsupported														
1	off														
2	on														
freeze	optional	Object													
value	optional	Number	<p>Video output freeze value.</p> <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on				
value	meaning														
0	unsupported														
1	off														
2	on														
fitMode	optional	Object													
value	optional	Number	<p>Video output fitMode value.</p> <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>fit width of output</td> </tr> <tr> <td>1</td> <td>fit height of output</td> </tr> <tr> <td>2</td> <td>scale to whole output</td> </tr> <tr> <td>3</td> <td>fit resolution by output</td> </tr> <tr> <td>4</td> <td>cut resolution by output</td> </tr> </tbody> </table>	value	meaning	0	fit width of output	1	fit height of output	2	scale to whole output	3	fit resolution by output	4	cut resolution by output
value	meaning														
0	fit width of output														
1	fit height of output														
2	scale to whole output														
3	fit resolution by output														
4	cut resolution by output														
autoSwitch	optional	Object													
value	optional	Number	<p>Video output autoSwitch value.</p> <table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>on</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	on				
value	meaning														
0	unsupported														
1	off														
2	on														

Field		Type	Description								
plugin	optional	Object									
mode	optional	Object	Video autoswitch plugin mode.								
value	optional	Number	Video autoswitch plugin mode value. <table border="1" data-bbox="678 454 1485 696"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>auto</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	auto
value	meaning										
0	unsupported										
1	off										
2	auto										
plugout	optional	Object									
mode	optional	Object	Video autoswitch plugout mode.								
value	optional	Number	Video autoswitch plugout mode value <table border="1" data-bbox="678 1055 1485 1296"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>off</td> </tr> <tr> <td>2</td> <td>auto</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	off	2	auto
value	meaning										
0	unsupported										
1	off										
2	auto										

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-SetVideoOutput-2_0_0-0]

""

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-SetVideoOutput-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0522-01 All Connections

GET

```
/api/v2.0/video/connections
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-AllVideoConnections-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
connections	Object[]	Video connection array.

- Response 200 [#success-examples-VideoGroup-AllVideoConnections-2_0_0-0]

```
{
  "connections": [
    {
      "id": "0",
      "videoInput": "0",
    },
    {
      "id": "1",
      "videoInput": "1",
    }
  ]
}
```

```
    },  
    ...  
  ]  
}
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-AllVideoConnections-2_0_0-0]

```
{  
  "code": 50000,  
  "message": "System error."  
}
```

Video - 0522-02 Get Connection

GET

```
/api/v2.0/video/connections/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoConnection-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
id	String	Video output ID.

Field	Type	Description
videoInput	String	Video input ID.

- Response 200 [#success-examples-VideoGroup-GetVideoConnection-2_0_0-0]

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

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-GetVideoConnection-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0522-03 Update Connections

PATCH

```
/api/v2.0/video/connections
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-UpdateVideoConnections-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
connections	Object[]	Video connection array.

- Request Body [#parameter-examples-VideoGroup-UpdateVideoConnections-2_0_0-0]

```
{
  "connections": [
    {
      "id": "0",
      "videoInput": "0",
    },
    {
      "id": "1",
      "videoInput": "1",
    },
    ...
  ]
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-UpdateVideoConnections-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-UpdateVideoConnections-2_0_0-0]

```
{
  "code": 50000,
}
```

```
"message": "System error."
}
```

Video - 0522-04 Set Connection

PATCH

```
/api/v2.0/video/connections/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-SetVideoConnection-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
videoInput	String	Video input ID.

- Request Body [#parameter-examples-VideoGroup-SetVideoConnection-2_0_0-0]

```
{
  "videoInput": "0"
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-SetVideoConnection-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-SetVideoConnection-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0524-01 All Live Status

GET

```
/api/v2.0/video/golive
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-AllVideoLive-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description
connections	Object[]	Video status array.

- Response 200 [#success-examples-VideoGroup-AllVideoLive-2_0_0-0]

```
{
  "golive": [
    {
      "id": "0",

```

```
    "status": 1,
  },
  {
    "id": "1",
    "status": 1,
  },
  ...
]
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-AllVideoLive-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0524-02 Get Live Status

GET

```
/api/v2.0/video/golive/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-GetVideoLive-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Response 200

Field	Type	Description										
id	String	Video output ID.										
status	Number	video status (live).										
		<table border="1"> <thead> <tr> <th>value</th> <th>meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>unsupported</td> </tr> <tr> <td>1</td> <td>stop</td> </tr> <tr> <td>2</td> <td>playing</td> </tr> <tr> <td>101</td> <td>content is protected</td> </tr> </tbody> </table>	value	meaning	0	unsupported	1	stop	2	playing	101	content is protected
		value	meaning									
		0	unsupported									
		1	stop									
		2	playing									
101	content is protected											

- Response 200 [#success-examples-VideoGroup-GetVideoLive-2_0_0-0]

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

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-GetVideoLive-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0524-03 Start Live

POST

```
/api/v2.0/video/golive/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-StartVideoLive-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-StartVideoLive-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-StartVideoLive-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0524-04 Stop Live

DELETE

```
/api/v2.0/video/golive/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-StopVideoLive-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-StopVideoLive-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-StopVideoLive-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0525-01 Multi Snapshots

POST

```
/api/v2.0/video/snapshots
```

Header

Field	Type	Description
-------	------	-------------

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-VideoMultiSnapshots-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
snapshots	Object[]	Video snapshot array.

- Request Body [#parameter-examples-VideoGroup-VideoMultiSnapshots-2_0_0-0]

```
{
  "snapshots": [
    {
      "id": "0",
      "storage": "0",
      "path": "/"
    },
    ...
  ]
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-VideoMultiSnapshots-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-VideoMultiSnapshots-2_0_0-0]

```
{
  "code": 50000,
  "message": "System error."
}
```

Video - 0525-02 Snapshot

POST

```
/api/v2.0/video/snapshots/<id>
```

Header

Field	Type	Description
Authorization	String	Special credential value or Basic Authorization.

- Request Header [#header-examples-VideoGroup-VideoSnapshot-2_0_0-0]

```
Authorization: "< {credential} or {Basic base64('username:password')} >"
```

Request

Field	Type	Description
id	String	Video output ID.
storage	String	Video storage ID.
path	String	Video snapshot storage path.

- Request Body [#parameter-examples-VideoGroup-VideoSnapshot-2_0_0-0]

```
{
  "id": "0",
  "storage": "0",
  "path": "/"
}
```

Success 204

Field	Description
Null	No content response.

- Response 204 [#success-examples-VideoGroup-VideoSnapshot-2_0_0-0]

```
""
```

Error 500

Name	Description
InternalServerError	Internal server error occurred.

- Response 500 [#error-examples-VideoGroup-VideoSnapshot-2_0_0-0]

```
{  
  "code": 50000,  
  "message": "System error."  
}
```

SocketIO Usage

This document describes available SocketIO usage.

Connection

Connected Path: `https://{device_address}`

Events

- System [#system]
 - `/api/v2.0/maintenance/status`
 - `/api/v2.0/system/sessionConfigs`
 - `/api/v2.0/system/osd`
 - `/api/v2.0/system/room`
 - `/api/v2.0/system/participants`

- /api/v2.0/system/participants/share
- Audio [#audio]
 - /api/v2.0/audio/inputs
 - /api/v2.0/audio/outputs
- Video [#video]
 - /api/v2.0/video/config
 - /api/v2.0/video/golive
 - /api/v2.0/video/inputs
 - /api/v2.0/video/outputs
 - /api/v2.0/video/connections
 - /api/v2.0/video/multiviews
 - /api/v2.0/video/vpProfiles/now
 - /api/v2.0/video/snapshots/state

[back \[#api-example-for-53\]](#)