

gRPC API (DomainService)

POST http://IP-://grpc

:

```
{
  "method": "axxonsoft.bl.domain.DomainService.ListCameras",
  "data": {
    "view" : "VIEW_MODE_FULL"
  }
}
```

:

```
--ngpbboundary
Content-Type: application/json; charset=utf-8
Content-Length: 4567

{
  "items": [
    {
      "access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "display_name": "Camera",
      "display_id": "1",
      "version": "",
      "ip_address": "0.0.0.0",
      "camera_access": "CAMERA_ACCESS_FULL",
      "vendor": "AxxonSoft",
      "model": "Virtual",
      "comment": "",
      "armed": true,
      "video_streams": [
        {
          "stream_access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
          "decoder_access_point": "hosts/Server1/VideoDecoder.1/SourceEndpoint.video",
          "enabled": false,
          "display_name": "Camera",
          "display_id": "0",
          "is_activated": true
        }
      ],
      "microphones": [
        {
          "access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.audio:0",
          "display_name": "",
          "display_id": "0",
          "microphone_access": "MICROPHONE_ACCESS_FULL",
          "is_activated": false
        }
      ],
      "ptzs": [],
      "archive_bindings": [
        {
          "name": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
          "storage": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
          "archive": {
            "access_point": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
            "display_name": "",
            "display_id": "DeviceIpint.1",
            "is_embedded": true,
            "archive_access": "ARCHIVE_ACCESS_FULL",
            "bindings": [],
            "is_activated": false
          }
        }
      ],
      "is_default": false,

```

```

"sources": [
  {
    "access_point": "hosts/Server1/DeviceIpint.1/Sources/src.0",
    "storage": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
    "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "mimetype": "video/h264",
    "origin_storage": "",
    "origin_storage_source": ""
  }
],
{
  "name": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
  "storage": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
  "archive": {
    "access_point": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
    "display_name": "AliceBlue",
    "display_id": "MultimediaStorage.AliceBlue",
    "is_embedded": false,
    "archive_access": "ARCHIVE_ACCESS_FULL",
    "bindings": [],
    "is_activated": true
  },
  "is_default": true,
  "sources": [
    {
      "access_point": "hosts/Server1/MultimediaStorage.AliceBlue/Sources/src.47A57090-40B8-7604-A7A1-8E9E9D1421D2",
      "storage": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
      "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "media_source": "hosts/Server1/AVDetector.13/SourceEndpoint.vmda",
      "origin": "hosts/Server1/AVDetector.13/SourceEndpoint.vmda",
      "mimetype": "application/vmda",
      "origin_storage": "",
      "origin_storage_source": ""
    },
    {
      "access_point": "hosts/Server1/MultimediaStorage.AliceBlue/Sources/src.1A00AA71-A796-A96C-80BD-8ADAAD59938E",
      "storage": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
      "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "mimetype": "video/vc-raw",
      "origin_storage": "",
      "origin_storage_source": ""
    },
    {
      "access_point": "hosts/Server1/MultimediaStorage.AliceBlue/Sources/src.875C1A55-D315-4DE1-B7F8-F0CB2F2F6B97",
      "storage": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
      "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.audio:0",
      "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.audio:0",
      "mimetype": "application/audio",
      "origin_storage": "",
      "origin_storage_source": ""
    }
  ]
},
"ray": [],
"relay": [],
"detectors": [
  {
    "access_point": "hosts/Server1/AVDetector.13/EventSupplier",
    "display_name": "",
    "display_id": "13",
    "parent_detector": "",

```

```
    "scene_descriptions": [
      {
        "access_point": "hosts/Server1/AVDetector.13/SourceEndpoint.vmda"
      }
    ],
    "events": []
  }
],
"offline_detectors": [],
"group_ids": [
  "e2f20843-7ce5-d04c-8a4f-826e8b16d39c"
],
"is_activated": true,
"text_sources": [],
"speakers": []
}
],
"next_page_token": ""
}
```

```
--ngpboundary
Content-Type: application/json; charset=utf-8
Content-Length: 41
```

```
{
  "items": [],
  "next_page_token": ""
}
```

:

```
{
  "method": "axxonsoft.bl.domain.DomainService.BatchGetCameras",
  "data": {
    "items": [{
      "access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0"
    }]
  }
}
```

:

```
--ngpboundary
Content-Type: application/json; charset=utf-8
Content-Length: 9038
```

```
{
  "items": [
    {
      "access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "display_name": "Server1-Auto",
      "display_id": "1",
      "version": "",
      "ip_address": "0.0.0.0",
      "camera_access": "CAMERA_ACCESS_FULL",
      "vendor": "AxxonSoft",
      "model": "Virtual",
      "comment": "",
      "armed": true,
      "video_streams": [
        {
          "stream_access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
          "decoder_access_point": "hosts/Server1/VideoDecoder.1/SourceEndpoint.video",
          "enabled": false,

```

```

    "display_name": "Server1-Auto",
    "display_id": "0",
    "is_activated": true
  }
],
"microphones": [],
"ptzs": [],
"archive_bindings": [
  {
    "name": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "storage": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
    "archive": {
      "access_point": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
      "display_name": "",
      "display_id": "DeviceIpint.1",
      "is_embedded": true,
      "archive_access": "ARCHIVE_ACCESS_FULL",
      "bindings": [],
      "is_activated": false
    },
    "is_default": false,
    "sources": [
      {
        "access_point": "hosts/Server1/DeviceIpint.1/Sources/src.0",
        "storage": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
        "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "mimetype": "video/h264",
        "origin_storage": "",
        "origin_storage_source": ""
      }
    ]
  },
  {
    "name": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "storage": "hosts/Server1/MultimediaStorage.AntiqueWhite/MultimediaStorage",
    "archive": {
      "access_point": "hosts/Server1/MultimediaStorage.AntiqueWhite/MultimediaStorage",
      "display_name": "1",
      "display_id": "MultimediaStorage.AntiqueWhite",
      "is_embedded": false,
      "archive_access": "ARCHIVE_ACCESS_FULL",
      "bindings": [],
      "is_activated": true
    },
    "is_default": true,
    "sources": [
      {
        "access_point": "hosts/Server1/MultimediaStorage.AntiqueWhite/Sources/src.9287FD97-D0FE-4675-B3E4-3E859ABC92B8",
        "storage": "hosts/Server1/MultimediaStorage.AntiqueWhite/MultimediaStorage",
        "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "media_source": "hosts/Server1/AVDetector.14/SourceEndpoint.vmda",
        "origin": "hosts/Server1/AVDetector.14/SourceEndpoint.vmda",
        "mimetype": "application/vmda",
        "origin_storage": "",
        "origin_storage_source": ""
      },
      {
        "access_point": "hosts/Server1/MultimediaStorage.AntiqueWhite/Sources/src.19C6698F-5674-7A0A-8C6F-2253D21F86D2",
        "storage": "hosts/Server1/MultimediaStorage.AntiqueWhite/MultimediaStorage",
        "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "media_source": "hosts/Server1/AVDetector.35/SourceEndpoint.vmda",
        "origin": "hosts/Server1/AVDetector.35/SourceEndpoint.vmda",
        "mimetype": "application/vmda",
        "origin_storage": "",
        "origin_storage_source": ""
      }
    ]
  }
]

```

```

        "access_point": "hosts/Server1/MultimediaStorage.AntiqueWhite/Sources/src.D208E3CC-E717-BC96-DA01-3F420784A1D0",
        "storage": "hosts/Server1/MultimediaStorage.AntiqueWhite/MultimediaStorage",
        "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "mimetype": "video/vc-raw",
        "origin_storage": "",
        "origin_storage_source": ""
    },
    {
        "access_point": "hosts/Server1/MultimediaStorage.AntiqueWhite/Sources/src.A7CC6732-57F5-0FF0-C48C-7ADA7ECD779D",
        "storage": "hosts/Server1/MultimediaStorage.AntiqueWhite/MultimediaStorage",
        "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "media_source": "hosts/Server1/DeviceIpint.10/SourceEndpoint.audio:0",
        "origin": "hosts/Server1/DeviceIpint.10/SourceEndpoint.audio:0",
        "mimetype": "application/audio",
        "origin_storage": "",
        "origin_storage_source": ""
    }
]
},
{
    "name": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "storage": "hosts/Server1/MultimediaStorage.Aquamarine/MultimediaStorage",
    "archive": {
        "access_point": "hosts/Server1/MultimediaStorage.Aquamarine/MultimediaStorage",
        "display_name": "Aquamarine",
        "display_id": "MultimediaStorage.Aquamarine",
        "is_embedded": false,
        "archive_access": "ARCHIVE_ACCESS_FULL",
        "bindings": [],
        "is_activated": true
    },
    "is_default": false,
    "sources": [
        {
            "access_point": "hosts/Server1/MultimediaStorage.Aquamarine/Sources/src.9287FD97-D0FE-4675-B3E4-3E859ABC92B8",
            "storage": "hosts/Server1/MultimediaStorage.Aquamarine/MultimediaStorage",
            "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
            "media_source": "hosts/Server1/AVDetector.14/SourceEndpoint.vmda",
            "origin": "hosts/Server1/AVDetector.14/SourceEndpoint.vmda",
            "mimetype": "application/vmda",
            "origin_storage": "",
            "origin_storage_source": ""
        },
        {
            "access_point": "hosts/Server1/MultimediaStorage.Aquamarine/Sources/src.19C6698F-5674-7A0A-8C6F-2253D21F86D2",
            "storage": "hosts/Server1/MultimediaStorage.Aquamarine/MultimediaStorage",
            "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
            "media_source": "hosts/Server1/AVDetector.35/SourceEndpoint.vmda",
            "origin": "hosts/Server1/AVDetector.35/SourceEndpoint.vmda",
            "mimetype": "application/vmda",
            "origin_storage": "",
            "origin_storage_source": ""
        },
        {
            "access_point": "hosts/Server1/MultimediaStorage.Aquamarine/Sources/src.D208E3CC-E717-BC96-DA01-3F420784A1D0",
            "storage": "hosts/Server1/MultimediaStorage.Aquamarine/MultimediaStorage",
            "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
            "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
            "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
            "mimetype": "video/vc-raw",
            "origin_storage": "",
            "origin_storage_source": ""
        }
    ]
}
]

```

```

    }
  ],
  "ray": [],
  "relay": [],
  "detectors": [
    {
      "access_point": "hosts/Server1/AVDetector.14/EventSupplier",
      "display_name": "",
      "display_id": "14",
      "parent_detector": "",
      "is_activated": true,
      "scene_descriptions": [
        {
          "access_point": "hosts/Server1/AVDetector.14/SourceEndpoint.vmda"
        }
      ],
      "events": [
        {
          "id": "TargetList",
          "name": "",
          "event_type": "PERIODICAL_EVENT_TYPE"
        },
        {
          "id": "plateRecognized",
          "name": "",
          "event_type": "ONE_PHASE_EVENT_TYPE"
        }
      ]
    },
    {
      "access_point": "hosts/Server1/AVDetector.39/EventSupplier",
      "display_name": "",
      "display_id": "39",
      "parent_detector": "",
      "is_activated": false,
      "scene_descriptions": [],
      "events": [
        {
          "id": "SmokeDetected",
          "name": "",
          "event_type": "TWO_PHASE_EVENT_TYPE"
        },
        {
          "id": "MotionMask",
          "name": "",
          "event_type": "ONE_PHASE_EVENT_TYPE"
        }
      ]
    },
    {
      "access_point": "hosts/Server1/AVDetector.40/EventSupplier",
      "display_name": "",
      "display_id": "40",
      "parent_detector": "",
      "is_activated": false,
      "scene_descriptions": [],
      "events": [
        {
          "id": "FireDetected",
          "name": "",
          "event_type": "TWO_PHASE_EVENT_TYPE"
        },
        {
          "id": "MotionMask",
          "name": "",
          "event_type": "ONE_PHASE_EVENT_TYPE"
        }
      ]
    },
    {
      "access_point": "hosts/Server1/AVDetector.35/EventSupplier",

```

```
"display_name": "",
"display_id": "35",
"parent_detector": "",
"is_activated": true,
"scene_descriptions": [
  {
    "access_point": "hosts/Server1/AVDetector.35/SourceEndpoint.vmda"
  }
],
"events": [
  {
    "id": "TargetList",
    "name": "",
    "event_type": "PERIODICAL_EVENT_TYPE"
  },
  {
    "id": "faceAppeared",
    "name": "",
    "event_type": "ONE_PHASE_EVENT_TYPE"
  }
]
},
"offline_detectors": [],
"group_ids": [
  "e2f20843-7ce5-d04c-8a4f-826e8b16d39c"
],
"is_activated": true,
"text_sources": [],
"speakers": []
}
],
"not_found_objects": [],
"unreachable_objects": []
}
```

```
--ngpboundary
Content-Type: application/json; charset=utf-8
Content-Length: 71
```

```
{
  "items": [],
  "not_found_objects": [],
  "unreachable_objects": []
}
```

:

```
{
  "method": "axxonsoft.bl.domain.DomainService.ListCameras",
  "data":
  {
    "view": "VIEW_MODE_NO_CHILD_OBJECTS"
  }
}
```

:

```
{
  "method": "axxonsoft.bl.domain.DomainService.ListCameras",
  "data": {
    "filter": "hosts/Node1/",
    "view": "VIEW_MODE_NO_CHILD_OBJECTS"
  }
}
```

:

```
{
  "method": "axxonsoft.bl.domain.DomainService.ListCameras",
  "data": {
    "view": "VIEW_MODE_FULL",
    "query": {
      "query": ".1",
      "search_fields": "DECORATED_NAME",
      "search_type": "SUBSTRING",
      "decorated_name_template": "{comment}.{display_id}"
    },
    "page_token": "",
    "page_size": "100"
  }
}
```

view – , :

- **VIEW_MODE_FULL** – ,
- **VIEW_MODE_STRIPPED** – (,).

query – .

search_type – , , :

- **0 SUBSTRING** – (),
- **1 FUZZY** – .

search_fields – , "|", , , . :

- **0 DECORATED_NAME** – , **decorated_name_template** ({display_id}.{display_name}),
- **1 DISPLAY_NAME** – ,
- **2 DISPLAY_ID** – ,
- **3 COMMENT** – ,
- **4 ACCESS_POINT** – .

decorated_name_template – , , , . :

- {display_name} – ,
- {display_id} – ,
- {comment} – ,
- {access_point} – .

{display_id}.{display_name}., , "" "1", "1".

page_token **page_size** – .

:

```
--ngpboundary
Content-Type: application/json; charset=utf-8
Content-Length: 5018

{
  "items": [
    {
      "access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "incomplete": false,
```

```

"display_name": "",
"display_id": "1",
"ip_address": "0.0.0.0",
"camera_access": "CAMERA_ACCESS_FULL",
"vendor": "AxxonSoft",
"model": "Virtual",
"firmware": "1.0.0",
"comment": "",
"armed": true,
"geo_location_latitude": "0",
"geo_location_longitude": "0",
"geo_location_azimuth": "0",
"breaks_unused_connections": false,
"serial_number": "",
"video_streams": [
  {
    "stream_access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "decoder_access_point": "hosts/Server1/VideoDecoder.1/SourceEndpoint.video",
    "enabled": true,
    "display_name": " ",
    "display_id": "0",
    "is_activated": true
  }
],
"microphones": [
  {
    "access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.audio:0",
    "display_name": "",
    "display_id": "0",
    "microphone_access": "MICROPHONE_ACCESS_FULL",
    "is_activated": false,
    "enabled": false
  }
],
"ptzs": [],
"archive_bindings": [
  {
    "name": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
    "storage": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
    "archive": {
      "access_point": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
      "incomplete": false,
      "display_name": " ",
      "display_id": "DeviceIpint.1",
      "is_embedded": true,
      "archive_access": "ARCHIVE_ACCESS_FULL",
      "bindings": [],
      "is_activated": false,
      "enabled": true
    },
    "is_default": false,
    "is_replica": false,
    "is_permanent": false,
    "sources": [
      {
        "access_point": "hosts/Server1/DeviceIpint.1/Sources/src.0",
        "storage": "hosts/Server1/DeviceIpint.1/MultimediaStorage.0",
        "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
        "mimetype": "video/h264",
        "origin_storage": "",
        "origin_storage_source": ""
      }
    ]
  }
],
{
  "name": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
  "storage": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
  "archive": {
    "access_point": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",

```

```

    "incomplete": false,
    "display_name": " AliceBlue",
    "display_id": "MultimediaStorage.AliceBlue",
    "is_embedded": false,
    "archive_access": "ARCHIVE_ACCESS_FULL",
    "bindings": [],
    "is_activated": true,
    "enabled": true
  },
  "is_default": true,
  "is_replica": false,
  "is_permanent": true,
  "sources": [
    {
      "access_point": "hosts/Server1/MultimediaStorage.AliceBlue/Sources/src.CDF139D0-A77B-90C2-6C16-D2F295C7A5CB",
      "storage": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
      "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "mimetype": "video/vc-raw",
      "origin_storage": "",
      "origin_storage_source": ""
    },
    {
      "access_point": "hosts/Server1/MultimediaStorage.AliceBlue/Sources/src.FF0D2704-017C-3556-B43D-A35405448682",
      "storage": "hosts/Server1/MultimediaStorage.AliceBlue/MultimediaStorage",
      "binding": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "media_source": "hosts/Server1/DeviceIpint.1/SourceEndpoint.audio:0",
      "origin": "hosts/Server1/DeviceIpint.1/SourceEndpoint.audio:0",
      "mimetype": "application/audio",
      "origin_storage": "",
      "origin_storage_source": ""
    }
  ]
},
"ray": [],
"relay": [],
"detectors": [],
"offline_detectors": [],
"group_ids": [
  "e2f20843-7ce5-d04c-8a4f-826e8b16d39c"
],
"is_activated": true,
"text_sources": [],
"speakers": [],
"enabled": true,
"panomorph": {
  "enabled": false,
  "fit_to_frame": false,
  "camera_position": 0,
  "view_type": 0,
  "camera_lens": "FISH_EYE_LENS",
  "fisheye_circles": {
    "circle": [
      {
        "center": {
          "x": 0,
          "y": 0
        },
        "radius": 0
      }
    ]
  }
}
},
"video_buffer_size": 50,
"video_buffer_enabled": false,
"alternative_view": {
  "alternative_camera_name": "",

```

```
    "second_alternative_camera_name": ""
  }
}
],
"next_page_token": "",
"search_meta_data": [
{
  "score": 0,
  "matches": [
    "0",
    "1",
    "2",
    "3",
    "4",
    "5",
    "6",
    "7",
    "8",
    "9",
    "10",
    "11",
    "12",
    "13"
  ]
}
]
}
```

--ngpboundary

Content-Type: application/json; charset=utf-8

Content-Length: 66

```
{
  "items": [],
  "next_page_token": "",
  "search_meta_data": []
}
```