

# Camera counter report as JSON

## Get API endpoint

1. Navigate in Remote Portal to Services > Camera Counter Reports
2. Click desired Service card with Counters > 0
3. Copy report Id from address line  
Example: 34519004-32d5-46da-b466-9b2a86e2744b from <https://remote.boschsecurity.com/camera-reports/34519004-32d5-46da-b466-9b2a86e2744b>
4. Combine 'api.remote.boschsecurity.com/rest/camerareports/v1/grafana/' + report Id to get {ReportUrl}  
Example: <https://api.remote.boschsecurity.com/rest/camerareports/v1/grafana/34519004-32d5-46da-b466-9b2a86e2744b>

## Test connection

Send a GET request to {ReportUrl} with

1. Basic Auth as Authorization Type
2. User: your Remote Portal Customer email address
3. Password: your Remote Portal Customer password

If request is authorized, this yields empty string and status code 200.

If request is unauthorized, this yields empty string and status code 401.

## Search for Counters

Send POST request {ReportUrl}/search, e.g. <https://api.remote.boschsecurity.com/rest/camerareports/v1/grafana/34519004-32d5-46da-b466-9b2a86e2744b/search>, with same authorization as in described in "Test connection" to list the counters.

### Example response

```
[
  " * ",
  "00-07-5F-84-50-40, 3, Camera 1, Counter 3",
  "00-07-5F-84-50-40, 4, Camera 1, Counter 4",
  "00-07-5F-84-50-40, 5, Camera 1, Counter 5",
  "00-07-5F-84-50-41, 1, Camera 2, Counter 1",
  "00-07-5F-84-50-41, 8, Camera 2, Counter 8",
  "00-07-5F-84-50-42, 7, Camera 3, Counter 7"
]
```

## Get filtered data points

Send POST {ReportUrl}/query, e.g. <https://api.remote.boschsecurity.com/rest/camerareports/v1/grafana/34519004-32d5-46da-b466-9b2a86e2744b/query>, with authorization as in described in "Test connection" and additional header "Content-Type: application/json" to list data points.

The body is JSON formatted with property "targets" being a list of counters and "range" (with the "from" and "to" fields in UTC format) filters the time range.

The example body

```
{
  "targets": [{"target": "00-07-5F-84-50-40, 3, Camera 1, Counter 3"}],
  "range": {"from": "2017-12-19T16:43:45.297Z", "to": "2017-12-21T16:43:45.297Z"}
}
```

yields data points (value, timestamp) for queried target:

### Example response

```
[{
  "target": "Camera 1, Counter 3",
  "datapoints": [[0.0,1513699200000],[14.0,1513702800000],[10.0,1513706400000],[6.0,1513710000000],[1.0,1513713600000],[0.0,1513717200000],[1.0,1513720800000],[0.0,1513724400000],[0.0,1513728000000],[0.0,1513731600000],[0.0,1513735200000],[0.0,1513738800000],[0.0,1513742400000],[1.0,1513746000000],[1.0,1513749600000],[4.0,1513753200000],[4.0,1513756800000],[13.0,1513760400000],[7.0,1513764000000],[8.0,1513767600000],[23.0,1513771200000],[17.0,1513774800000],[11.0,1513778400000],[18.0,1513782000000],[30.0,1513785600000],[16.0,1513789200000],[3.0,1513792800000],[2.0,1513796400000],[0.0,1513800000000],[5.0,1513803600000],[0.0,1513807200000],[0.0,1513810800000],[0.0,1513814400000],[0.0,1513818000000],[0.0,1513821600000],[0.0,1513825200000],[0.0,1513828800000],[1.0,1513832400000],[1.0,1513836000000],[1.0,1513839600000],[1.0,1513843200000],[6.0,1513846800000],[15.0,1513850400000],[16.0,1513854000000],[9.0,1513857600000],[10.0,1513861200000],[14.0,1513864800000],[5.0,1513868400000],[3.0,1513872000000]]
}]
```

## Get raw data points (counter data in a time period of 15 minutes)

Send POST {ReportUrl}/**queryraw**

The body is JSON formatted with property "targets" being a list of counters and "range" (with the "from" and "to" fields in UTC format) filters the time range.

The example body

```
{
  "targets": [{"target": "00-07-5F-84-50-40, 3, Camera 1, Counter 3"}],
  "range": {"from": "2020-05-11T08:22:30.000Z", "to": "2020-05-11T12:08:00.295Z"}
}
```

yields data points (value, timestamp) for queried target:

### Example response

```
[{
  "target": "Camera 1, Counter 3",
  "datapoints": [[0.0,1589185350295],[4.0,1589186250719],[1.0,1589187150292],[0.0,1589188050340],[1.0,1589189850285],[0.0,1589195250320],[8.0,1589196150258],[0.0,1589197050266],[0.0,1589197950574]],{"target": "panoramic 180, Counter 2", "datapoints": [[0.0,1589185350295],[0.0,1589186250719],[0.0,1589187150292],[0.0,1589188050340],[0.0,1589189850285],[0.0,1589195250320],[1.0,1589196150258],[0.0,1589197050266],[0.0,1589197950574]]
}]
```