

TYTO API

STEP1 - Get information before login

Request:

```
POST http://192.168.202.67/API/Login/Range
```

Response:

Body:

```
{
  "result": "success",
  "data": {
    "username": {
      "type": "string",
      "min_len": 1,
      "max_len": 16
    },
    "password": {
      "type": "string",
      "min_len": 8,
      "max_len": 16
    },
    "pwd_tip": "nvr_tip",
    "first_login_flag": false,
    "password_enc": true,
    "http_api_version": "V1.0",
    "default_lang": "UKA",
    "custom_name": 137,
    "custom_logo": 137,
    "login_exclusivity": false,
    "lang_strs": {
      "ENU": "ENGLISH",
      "RUS": "РУССКИЙ",
      "UKA": "Українська"
    },
    "support_recover_password": true,
    "site_version": "N1L-16 NVR (AI)"
  }
}
```

STEP2 - Login

Request:

```
POST http://192.168.202.67/API/Web/Login
```

Authorization:

```
Digest Auth
Username:admin
Password:12345678
```

Response:

Body:

```
{
  "result": "success",
  "data": {
    "strength_need_check": false
  }
}
```

Headers:

```
Content-Type:application/json
X-csrfToken:713f9103f3aa18617657ffada64ed1557515a19f2e49a1ebaa4d9ab8fbb0e44e
Set-Cookie:session=80df176f08ceb8eb6a4fa928bf140a73341b6eec0cf69bf43f54d44450dfd3fb;HttpOnly;path=/
```

Response:

```
{
  "result": "success"
}
```

STEP3 - Send Heartbeat

Request:

```
POST /API/Login/Heartbeat
```

Authorization:

```
Digest Auth
Username:admin
Password:12345678
```

Headers:

```
Content-Type:application/json
X-csrfToken:713f9103f3aa18617657ffada64ed1557515a19f2e49a1ebaa4d9ab8fbb0e44e
Set-Cookie:session=80df176f08ceb8eb6a4fa928bf140a73341b6eec0cf69bf43f54d44450dfd3fb;HttpOnly;path=/
```

STEP4 - Operate the other API

Request:

```
POST http://192.168.202.67/API/SystemInfo/Base/Get
```

Authorization:

```
Digest Auth
Username:admin
Password:12345678
```

Headers:

```
Content-Type:application/json
X-csrfToken:713f9103f3aa18617657ffada64ed1557515a19f2e49a1ebaa4d9ab8fbb0e44e
Set-Cookie:session=80df176f08ceb8eb6a4fa928bf140a73341b6eec0cf69bf43f54d44450dfd3fb;HttpOnly;path=/
```

Body

```
{
  "version": "1.0",
  "data": {}
}
```

Response:

Body

```
{
  "result": "success",
  "data": {
    "device_id": "000000",
    "device_name": "N1L-16 NVR (AI)",
    "device_type": "N1L-16 NVR (AI)",
    "hardware_version": "DM-448",
    "software_version": "V8.2.2-20220627",
    "ie_client_version": "V1.2.1.64",
    "video_format": "PAL",
    "hdd_volume": "232G",
    "ip_address": "192.168.202.67",
    "ipv6_address": "fe80::223:63ff:fea9:9b6 / 64",
  }
}
```

```
"web": "80,80",  
"client": "9000,9000",  
"mac_address": "00-23-63-A9-09-B6",  
"p2p_id": "M7WZ8T5Z75KJ2GXN111A",  
"network_state": "Connected",  
"iot_id": "",  
"language": "Ukraine"  
}  
}
```