

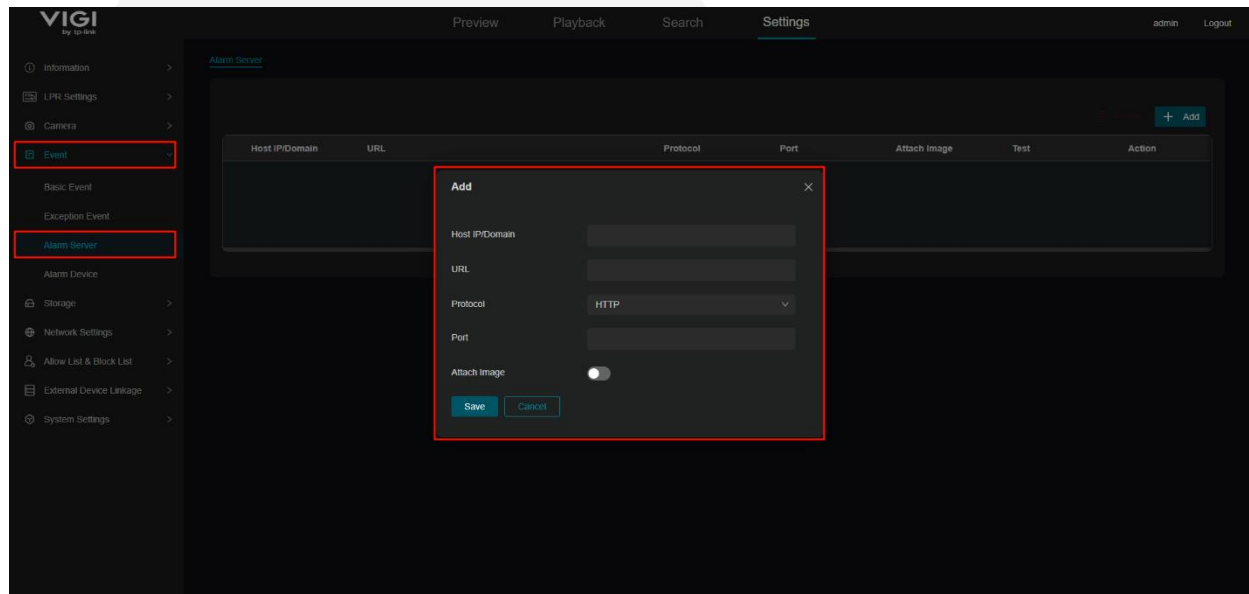
InSight LPR345Z Firmware Alarm Server Introduction

2026.09 - V1.0

1. API Introduction

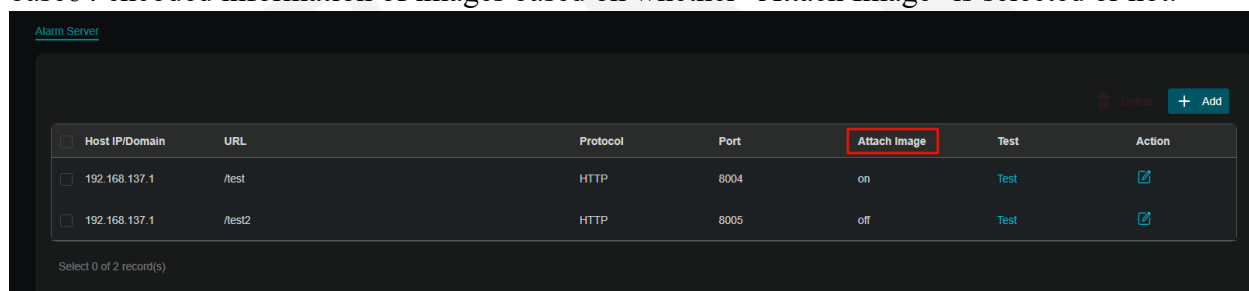
VIGI IPC provides the following APIs for customers to use:

Alarm Server active reporting: If the user configures the server in Settings -> Event -> Alarm Server, the IPC will report to the server when the license plate is recognized.



2. Alarm Server Active Reporting

VIGI IPC sends license plate recognition data packets with different contents to different servers according to the configuration. VIGI IPC devices will determine whether to push the base64 encoded information of images based on whether "Attach Image" is selected or not.



2.1. Send ALPR data (with images)

Send rules: **VIGI IPC will send a license plate recognition packet with images to the server if "Attach Image" is selected.**

POST (Server URL) HTTP/1.1

Host: (Server Host IP/Domain):(Server Port)

Content-Type: application/json
Content-Length: 457632
Cache-Control: no-cache
Body:
keyname -> data type -> description
camid -> string -> Camera ID (user configurable)
date -> string -> Date and Time in yyyy-mm-ddThh:mm:ss.SSSZ format
plate -> string -> Plate No Detected
plate_image -> string -> Base64 encoded image Cropped plate picture from full camera view capture
image -> string -> Base64 encoded image Camera View Capture During Plate Detection

Sample:

```
POST /test HTTP/1.1
Host: 192.168.137.1:8004
Content-Type: application/json
Content-Length: 457632
Cache-Control: no-cache

{
  "camid": "InSight LPR345Z 1.0_E4C4",    //user configurable
  "date": "2025-10-27T22:30:23.677-11:00",
  "plate": "PKP4735",
  "plate_image": "(base64 image data)",
  "image": "(base64 image data)"
}
```

2.2. Send ALPR data (without images)

Send rules: **VIGI IPC will send a license plate recognition packet without image if "Attach Image" is not selected.**

POST (Server URL) HTTP/1.1
Host: (Server Host IP/Domain):(Server Port)
Content-Type: application/json
Content-Length: 95
Cache-Control: no-cache
Body:
keyname -> data type -> description
camid -> string -> Camera ID (user configurable)
date -> string -> Date and Time in yyyy-mm-ddThh:mm:ss.SSSZ format
plate -> string -> Plate No Detected

Sample:

```
POST /test2 HTTP/1.1
Host: 192.168.137.1:8005
Content-Type: application/json
Content-Length: 95
Cache-Control: no-cache

{
  "camid": "InSight LPR345Z 1.0_E4C4",    //user configurable
  "date": "2025-10-27T22:30:23.677-11:00",
  "plate": "PKP4735"
}
```