

TrafficCounter

User Manual

End-user guide — v6.0.8

Versione 6.0.8

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Confidential document — internal use

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■ 1. Introduction

Traffic Counter is an application installed on an Axis camera that:

- Counts people (or vehicles) passing through configured virtual checkpoints
- Aggregates counts as **In / Out** pairs for each checkpoint
- Automatically sends data to a remote server at regular intervals
- Displays historical statistics and real-time counters via web interface

The interface is accessible by opening the camera's web page and clicking **Traffic Counter** in the application list.

The navigation menu at the top includes the tabs:

Statistics · Live · Settings · Scenarios · Events · About · Maintenance

■ 2. Prerequisites

Before using Traffic Counter, verify that:

- **Object Analytics (AOA)** is configured with at least one scenario of type *Cross Line Counting*. As of v6.0.8, scenarios can be created and modified directly from the **Scenarios** tab in Traffic Counter, without accessing AOA separately.
 - The **license** has been activated (see § 3).
-

■ 3. License Activation

At first launch, if the license is not yet active, an orange banner warns:

"No valid license. Go to About to activate."

Finding the serial number

- Click the **About** tab
- The **Camera serial** field shows the camera serial number (e.g. `XXXXXXXXXXXX`)
- Provide this number to your system administrator

Loading the license file

Once you have received the `.lic` file from the administrator:

- **About** tab → **Activate license** section
- Click **Browse...** and select the received `.lic` file
- Click **Upload & Activate**
- The **License status** field becomes ✓ **Valid**

Online Activation

As an alternative to the `.lic` file, **online activation** is available:

- **About** tab → **Online Activation** section
- Enter the activation code provided by your supplier (format `TCAM-XXXX-XXXX-XX`)
- Click **Activate Online**

The screenshot shows the 'About' page of the TrafficCounter interface. At the top, there is a navigation bar with 'About' highlighted. Below the navigation bar, the 'About' section displays the device ID 'BBA44F5F4430'. A 'Traffic Counter' section shows version '6.0.8 (built Jun 16 2026)'. A table lists device details: Camera serial (BBA44F5F4430), Product (AXIS M3085-V Network Camera), Firmware (12.10.68), License status (✓ Valid), License expiry (never), Max groups (Unlimited), and Build date (Jun 16 2026). Below this is the 'Activate license' section, which includes a 'Browse...' button (labeled 'No file selected.') and an 'Upload & Activate' button. The 'Online Activation' section is also visible, with a text input field containing 'TCAM - P3 - A7X2K9 - 3F' and an 'Activate Online' button.

[About screen — license management and online activation]

The license remains active after every restart — it does not need to be reloaded.

License information

The About tab displays:

Field	Meaning
Camera serial	Camera hardware serial number
Product	Camera model
Firmware	Installed Axis firmware version
License status	✓ Valid = active, ✗ = invalid or expired
License expiry	Expiry date or "never" (perpetual)
Max groups	Maximum number of configurable groups, or "Unlimited"
Build date	Application build date

■ 4. Group Configuration

A **group** represents a physical checkpoint (door, corridor, etc.) and defines how counting data is aggregated and sent.

Group list

The **Settings** tab shows a table of all configured groups with the columns:

Column	Description
ID	Group identifier
Label	Checkpoint name
Hours	Active time windows
Protocol	Sending protocol (DataPush or Webreport)
Server URL	Destination server address
Virtual serial	Virtual identifier for the checkpoint
Interval	Send interval in seconds
On/Off	Enabled/disabled status
Last sent	Date and time of last successful send
Actions	Edit, Dup (duplicate), Del, ■ (reset timestamp) buttons
Test	■ Test button for immediate send

Settings

Device: B8A44F5F4430

[+ Add group](#)

ID	Label	Hours	Protocol	Server URL	Virtual serial	Interval	On/Off	Last sent	Actions	Test
1	Main Entrance	09:00–19:30	DataPush	https://demo.example.com/api/traffic	DEMO-001 virtual	900s	✓	DP: never	Edit Dup Del	▶ Test
2	Side Entrances	09:00–23:00	DataPush	https://demo.example.com/api/traffic	DEMO-002 virtual	900s	✓	DP: never	Edit Dup Del	▶ Test
3	Court Foot Traffic	09:00–23:00	DataPush	https://demo.example.com/api/traffic	DEMO-003 virtual	900s	✓	DP: never	Edit Dup Del	▶ Test
4	Portal Access	09:00–13:00, 15:00–19:00	DataPush	https://demo.example.com/api/traffic	DEMO-004 virtual	900s	✓	DP: never	Edit Dup Del	▶ Test
5	2nd Floor Traffic	09:00–23:00	DataPush	https://demo.example.com/api/traffic	DEMO-005 virtual	900s	✓	DP: never	Edit Dup Del	▶ Test

[Settings screen — list of configured groups]

Creating a new group

- **Settings** tab → **+ Add group**
- Fill in the fields in the **Edit group** screen:

Field	Description
Label (push identifier)	Checkpoint name (e.g. Main Entrance)
Server URL (HTTPS)	Address of the server to send data to
Send interval (sec)	How often to send in seconds (900 = 15 minutes)
Enabled	Check to enable sending
Virtual serial (MAC)	Unique identifier for the checkpoint (see below)
Protocol	Sending protocol (see below)
Auth header (optional)	HTTP header for authentication, if required by the server

- Select the **IN scenarios** (entrances) and **OUT scenarios** (exits) from the lists on the right — these correspond to virtual lines configured in Object Analytics
- Click **Save group**

Edit group

Label (push identifier):

Server URL (HTTPS):

Send Interval (sec):

Enabled:

Virtual serial (MAC): ↕ Real serial

Each group can use a different virtual serial so the remote server treats them as separate sensors. Leave equal to real serial for single-group cameras.

Protocol: Generic Data Push (Axis) ▾

Data Push: standard Axis JSON push. Webreport: RC4-encrypted protocol for Cognimatics servers.

Auth header (optional):

Extra HTTP header added to every Data Push request. Leave empty if the server does not require authentication.

IN scenarios — select which count as entrances

#9 — Entrance A ↗ AOA
human · dir: leftToRight

#3 — Exit A ↗ AOA
human · dir: rightToLeft

#1 — Entrance B ↗ AOA
human · dir: leftToRight

#2 — Exit B ↗ AOA
human · dir: rightToLeft

#5 — Entrance D ↗ AOA

OUT scenarios — select which count as exits

#9 — Entrance A ↗ AOA
human · dir: leftToRight

#3 — Exit A ↗ AOA
human · dir: rightToLeft

#1 — Entrance B ↗ AOA
human · dir: leftToRight

#2 — Exit B ↗ AOA
human · dir: rightToLeft

#5 — Entrance D ↗ AOA

Each scenario from Object Analytics can be assigned independently as IN, OUT, or both. The counts of all selected IN scenarios will be summed together, same for OUT.

Activity time windows

Up to 6 daily windows. Only data in active periods is included in push. Leave empty for all hours. Min: 15 min.

Window 1 → ✖

+ Add window

Min object size filter (motion line crossing)

Applies a minimum size threshold (% of frame area) to all AOA scenarios in this group. Objects smaller than the threshold will not be counted. 0 = disabled. Typical values: 5% for human-only, 10–15% for adults only.

Min size (% frame) Apply now to AOA

"Save group" stores the value. "Apply now to AOA" pushes it immediately to all group scenarios via setConfiguration.

[Edit group screen — upper section with main fields]

Sending protocol

The **Protocol** field lets you choose the format for sending data to the server:

Value	Usage
Generic Data Push (Axis)	Standard Axis JSON protocol — compatible with most data collection servers
Webreport / Datamanager	RC4 protocol for Axis Webreport or Datamanager servers

Authentication header

The **Auth header (optional)** field adds a custom HTTP header to every Data Push request. Leave empty if the server does not require authentication.

Example values:

- `Authorization: Bearer your-token`
- `X-API-Key: your-key`

IN and OUT scenarios

Each Object Analytics scenario detects crossings through a virtual line.

In the group you can assign:

- ↑ **IN scenarios**: scenarios whose count is summed as entrances

- ↓ **OUT scenarios**: scenarios whose count is summed as exits
- The same scenario can appear in both lists
- Each scenario shows: AOA ID, name, detected object type, direction

The **■ AOA** button next to each scenario opens its configuration directly in Object Analytics.

Virtual serial (virtual MAC)

If you configure multiple groups on the same camera, each group can have a different **Virtual serial**. This allows the remote server to distinguish data from different checkpoints as if they came from separate cameras.

Convention: increment the last digits of the real serial:

- Checkpoint 1: `xxxxxxxxxxxx` (real serial)
- Checkpoint 2: `xxxxxxxxxxxx1`
- Checkpoint 3: `xxxxxxxxxxxx2`

The **■ Real serial** button resets the virtual serial to the physical serial value.

For cameras managing a single checkpoint, leave the virtual serial equal to the real serial.

Editing, duplicating or deleting a group

In the groups table:

Button	Function
Edit	Opens the editor with current values
Dup	Duplicates the group (useful for similar configurations)
Del	Deletes the group (historical AOA data is not affected)
■	Resets the timestamp: the next push will resend all history
■ Test	Sends data immediately to verify server connectivity

■ 5. Activity Time Windows

Allows you to **exclude certain time periods** from data sent to the server.

Useful for excluding lunch breaks, closing hours, or periods when staff frequently pass through.

Configuration

In the group editor → **Activity time windows** section:

- Up to **6 daily windows** can be configured
- **+ Add window** to add each period to include
- Select **start** → **end** with a minimum granularity of 15 minutes
- The checkbox on the left enables/disables the individual window
- **X** removes the window

IN scenarios — select which count as entrances

- #9 — Entrance A AOA
human · dir: leftToRight
- #3 — Exit A AOA
human · dir: rightToLeft
- #1 — Entrance B AOA
human · dir: leftToRight
- #2 — Exit B AOA
human · dir: rightToLeft
- #5 — Entrance D AOA

OUT scenarios — select which count as exits

- #9 — Entrance A AOA
human · dir: leftToRight
- #3 — Exit A AOA
human · dir: rightToLeft
- #1 — Entrance B AOA
human · dir: leftToRight
- #2 — Exit B AOA
human · dir: rightToLeft
- #5 — Entrance D AOA

Each scenario from Object Analytics can be assigned independently as IN, OUT, or both. The counts of all selected IN scenarios will be summed together, same for OUT.

Activity time windows

Up to 6 daily windows. Only data in active periods is included in push. Leave empty for all hours. Min: 15 min.

Window 1 09:00 → 19:30 ✖

+ Add window

Min object size filter (motion line crossing)

Applies a minimum size threshold (% of frame area) to all AOA scenarios in this group. Objects smaller than the threshold will not be counted. 0 = disabled. Typical values: 5% for human-only, 10–15% for adults only.

Min size (% frame) Apply now to AOA

Save group stores the value. *Apply now to AOA* pushes it immediately to all group scenarios via setConfiguration.

Save group
Cancel

[Edit group screen — IN/OUT scenarios, time windows and object size filter]

Examples

Scenario	Configuration
Continuous hours 9–21	1 window: 09:00 → 21:00
With lunch break	Window 1: 09:00 → 12:30 — Window 2: 14:00 → 21:00
Two shifts	Window 1: 06:00 → 14:00 — Window 2: 14:00 → 22:00

If no windows are configured, **all hours are included**.

Windows filter data sent to the server, not the live counters.

6. Live View

The **Live** tab shows real-time counters for all configured groups.

View without video

The default mode shows counter cards for each group:

Indicator	Meaning
↑ IN	Total entrances since last AOA reset (in blue)
↓ OUT	Total exits since last AOA reset (in red)
Updated	Timestamp of last update
■ Refresh	Manually refresh counters

The ■ **Video** button in the top right activates the live stream view.

The ⊕ **Object Analytics** button opens the AOA interface directly.

TrafficCounter EN Statistics **Live** Settings Scenarios Events About Maintenance

Live view
Device: B8A44F5F4430

Updated: 2026-06-16T13:43:48.224Z Refresh Video Object Analytics

Main Entrance		Side Entrances		Court Foot Traffic		Portal Access		2nd Floor Traffic	
↑ IN	6835	↑ IN	3905	↑ IN	3514	↑ IN	2930	↑ IN	2343
↓ OUT	6266	↓ OUT	3620	↓ OUT	3112	↓ OUT	2602	↓ OUT	2129

[Live view screen — counters without video]

View with video

Clicking **Video** shows the camera's live stream with overlaid:

- **Counters** for each group in the upper left corner of the image
- **Virtual lines** labeled with their AOA names (**Lines** button to show/hide)
- **Overlay** control to adjust overlay opacity (0–100%)

The button changes to **Close video** to return to the view without stream.

TrafficCounter EN Statistics **Live** Settings Scenarios Events About Maintenance

Live view
Device: B8A44F5F4430

Updated: 2026-06-16T13:44:18.225Z Refresh Close video Object Analytics

Overlay: 75% Lines

Main Entrance		Side Entrances		Court Foot Traffic		Portal Access		2nd Floor Traffic	
↑ IN	6851	↑ IN	3914	↑ IN	3522	↑ IN	2937	↑ IN	2349
↓ OUT	6488	↓ OUT	3645	↓ OUT	3125	↓ OUT	2634	↓ OUT	2222

[Live view screen — counters with live video and overlaid AOA virtual lines]

■ 7. Statistics

The **Statistics** tab displays aggregated historical data for all groups.

Options

Control	Function
Group	Select which checkpoint to display (or "— All groups —")
Daily	One value per day
Hourly	One value per hour
15 min	Maximum granularity (15-minute intervals)
■ Show all	Display all available data
■ Refresh	Refresh data

Daily view

Each group is shown in a separate box with:

- Group name, virtual serial and number of available slots
- A row for dates (columns)
- ↑ **IN** row (green) with entrance counts
- ↓ **OUT** row (red) with exit counts
- **Total** row with the total for the displayed period

Columns with a **purple background** indicate Sundays.

The column with a **dark green background** indicates today (partial data, updating in real time).

Statistics

Device: BBA44F5F4430

Group: — All groups — Resolution: Daily Refresh Show all All 5 groups - Daily

Main Entrance DEMO-001 7/7 slots

	06-10	06-11	06-12	06-13	06-14	06-15	06-16
IN	10685	10719	10627	17236	14321	10754	10617
OUT	9633	9671	9636	15571	12894	9709	9590
Total	IN: 84959 OUT: 76704						

Side Entrances DEMO-002 7/7 slots

	06-10	06-11	06-12	06-13	06-14	06-15	06-16
IN	5978	6087	6124	8233	8230	7447	6061
OUT	5340	5543	5522	7509	7483	6718	5427
Total	IN: 48160 OUT: 43542						

Court Foot Traffic DEMO-003 7/7 slots

	06-10	06-11	06-12	06-13	06-14	06-15	06-16
IN	5410	6501	5515	7344	8743	5465	5427
OUT	4861	5844	4963	6598	7798	4906	4898
Total	IN: 44405 OUT: 39868						

Portal Access DEMO-004 7/7 slots

	06-10	06-11	06-12	06-13	06-14	06-15	06-16
IN	4533	4509	4568	6030	6047	4511	5451
OUT	4031	4086	4052	5404	5437	4071	4917
Total	IN: 35649 OUT: 31998						

[Statistics screen — daily view with all groups]

Hourly view

In the **Hourly** view, each column shows date, time and day of the week.

Columns with a **purple background** indicate Sunday hours, making it easy to identify traffic patterns on weekends compared to weekdays.

The table is horizontally scrollable to navigate through the 84 available hours.

Statistics

Device: B8A44F5F4430

Group: — All groups — Resolution: Hourly Refresh Show all All 5 groups · Hourly

1 Main Entrance DEMO-001 84/84 slots

06-13:00 Sun	06-14 14:00 Dom	06-14 15:00 Dom	06-14 16:00 Dom	06-14 17:00 Dom	06-14 18:00 Dom	06-14 19:00 Dom	06-14 20:00 Dom	06-15 09:00 Lun	06-15 10:00 Lun	06-15 11:00 Lun	06-15 12:00 Lun	06-15 13:00 Lun	06-15 14:00 Lun	06-15 15:00 Lun
1009	1098	1316	1535	1547	1446	989	552	342	727	1097	1296	955	810	980
190	983	1175	1380	1387	1310	908	501	312	645	961	1169	845	729	872

1 Side Entrances DEMO-002 84/84 slots

06-15 15:00 Lun	06-15 16:00 Lun	06-15 17:00 Lun	06-15 18:00 Lun	06-15 19:00 Lun	06-15 20:00 Lun	06-16 09:00 Mar	06-16 10:00 Mar	06-16 11:00 Mar	06-16 12:00 Mar	06-16 13:00 Mar	06-16 14:00 Mar	06-16 15:00 Mar	06-16 16:00 Mar	06-16 17:00 Mar
707	796	854	731	517	285	197	420	627	726	515	450	546	660	680
644	710	767	663	490	258	177	391	566	650	483	391	497	574	598

1 Court Foot Traffic DEMO-003 84/84 slots

06-13 17:00 Sab	06-13 18:00 Sab	06-13 19:00 Sab	06-13 20:00 Sab	06-14 09:00 Dom	06-14 10:00 Dom	06-14 11:00 Dom	06-14 12:00 Dom	06-14 13:00 Dom	06-14 14:00 Dom	06-14 15:00 Dom	06-14 16:00 Dom	06-14 17:00 Dom	06-14 18:00 Dom	06-14 19:00 Dom
826	731	527	290	267	592	891	1025	747	626	850	968	977	885	5
731	664	475	259	231	537	799	910	658	553	754	863	870	784	5

1 Portal Access DEMO-004 84/84 slots

06-15 17:00 Lun	06-15 19:00 Lun	06-15 20:00 Lun	06-16 09:00 Mar	06-16 10:00 Mar	06-16 11:00 Mar	06-16 12:00 Mar	06-16 13:00 Mar	06-16 14:00 Mar	06-16 15:00 Mar	06-16 16:00 Mar	06-16 17:00 Mar	06-16 18:00 Mar	06-16 19:00 Mar	06-16 20:00 Mar
69	329	168	174	377	534	651	490	417	507	548	637	550	369	197
15	296	149	162	343	480	597	428	375	456	487	575	504	335	175

[Statistics screen — hourly view with Sundays highlighted in purple]

8. Data Push — Automatic Sending

Traffic Counter sends data automatically at regular intervals.

Timing

Data is sent ~60 seconds after the close of each 15-minute block (at :00, :15, :30, :45 of every hour). This ensures all cameras send in sync.

With Send interval = 900s (15 min):

- AOA closes the block at 09:15:00
- Traffic Counter sends at approximately 09:16:00

Connection verification (Test)

To immediately verify that the server receives data:

- **Settings** tab → **Test** button next to the group
- The result appears with an outcome message:

Result	Meaning
✓ green	Server reached successfully (HTTP 200)
✗ HTTP 404	Virtual serial not registered on the destination server

Result	Meaning
X HTTP 401	Server requires authentication — check the Auth header
X HTTP 403	Access denied by server
X HTTP 422	Payload rejected by server
X HTTP 500	Internal error on the remote server
X Network error	Server unreachable — check URL and connectivity

Note on virtual serial: before running the test, make sure the group's virtual serial is registered on the destination server. If the server does not recognise the virtual serial, it will respond with HTTP 404.

■ 9. AOA Scenarios

The **Scenarios** tab allows you to view, create and modify Object Analytics counting scenarios directly from the Traffic Counter interface, without accessing AOA separately.

Scenarios list

The table shows all AOA scenarios configured on the camera:

Column	Description
ID	Scenario identifier in AOA
Name	Descriptive name of the line
Type	Type (always <code>crosslinecounting</code>)
Direction	Main counting direction (<code>leftToRight</code> / <code>rightToLeft</code>)
Objects	Detected object class (<code>human</code> , <code>vehicle</code>)
Min size	Active minimum size filter (— if disabled)
Actions	Edit button

The **Refresh** and **Test AOA write** buttons allow you to reload the updated list and verify that Traffic Counter has write permissions on AOA.

The **+ Add scenario** button creates a new AOA scenario.

TrafficCounter EN Statistics Live Settings Scenarios Events About Maintenance

scenarios
Device: B8A44FF5F4430

AOA Scenarios

View, edit, add or delete counting line scenarios directly in Axis Object Analytics. Changes take effect immediately on the camera.

Refresh Test AOA write + Add scenario

ID	Name	Type	Direction	Objects	Min size	Actions
9	Entrance A	crosslinecounting	leftToRight	human	—	Edit
3	Exit A	crosslinecounting	rightToLeft	human	—	Edit
1	Entrance B	crosslinecounting	leftToRight	human	—	Edit
2	Exit B	crosslinecounting	rightToLeft	human	—	Edit
5	Entrance D	crosslinecounting	leftToRight	human	—	Edit
4	Exit D	crosslinecounting	rightToLeft	human	—	Edit
6	Portal In	crosslinecounting	leftToRight	human	—	Edit
7	Portal Out	crosslinecounting	rightToLeft	human	—	Edit
8	Escalator Up	crosslinecounting	rightToLeft	human	—	Edit
10	Escalator Down	crosslinecounting	leftToRight	human	—	Edit

10 scenario(s). After saving, click Refresh to reload.

Batch: apply size filter to a group

Applies the minimum size filter to all AOA scenarios assigned to the selected group (both IN and OUT). Recommended for motion line crossing to filter out animals or small objects.

Group: Main Entrance (id:1)

Min size (% of frame): 0 0 = remove filter · 5–10 recommended for human detection only

Apply to all group scenarios

[Scenarios screen — AOA scenario list with management buttons]

Editing a scenario

Clicking **Edit** on a scenario opens the graphical editor:

- **ID** and **Name** — numeric identifier and descriptive name
- **Type** — scenario type (crosslinecounting)
- **Object classes** — selection of Human and/or Vehicle (bicycles and motorcycles are included in Vehicle)
- **Graphical editor** — shows a live camera snapshot; counting line points can be dragged to reposition the line
- **Reset line** — resets the line to its default position
- **Refresh snapshot** — updates the background image with a new frame
- **Node at start / Node at end** — adds intermediate nodes to the line
- **Manual coordinates** — precise numerical coordinate entry

Click ✓ **Save to AOA** to save changes directly to the camera, or **Cancel** to discard. The red **Delete** button deletes the scenario.

Edit scenario #9 — Entrance A

ID: 9 | Name: Entrance A | Type: [dropdown]

Object classes: Human Vehicle
Bikes and motorcycles are included in Vehicle.

Drag handles to reposition · Click empty area to reset · Right-click to remove a point · Use "Node" buttons to add intermediate nodes

Reset line Refresh snapshot Node at start Node at end P1:(-0.129, -0.095) → P2:(0.196, -0.100) Manual coordinates

Minimum object size filter
 Size (% of frame area): 0 %
0 = disabled · 5–10% for humans

Draw on image to set visually
 Draw rectangle Clear
Drag a rectangle representing the smallest object to count

Save to AOA Cancel Delete

Batch: apply size filter to a group

Applies the minimum size filter to all AOA scenarios assigned to the selected group (both IN and OUT). Recommended for motion line crossing to filter out animals or small objects.

Group: Main Entrance (id:1)

Min size (% of frame): 0 0 = remove filter - 5–10 recommended for human detection only

Apply to all group scenarios

[Edit scenario screen — graphical editor with repositionable counting line]

Minimum object size filter

Each scenario has a **Minimum object size filter** that excludes from the count objects occupying less than a threshold percentage of the image area. This allows filtering out children, small animals or false positives crossing the line.

Field	Description
Size (% of frame area)	Threshold as a percentage of frame area. 0 = disabled
Draw rectangle	Allows drawing visually on the image the rectangle corresponding to the minimum desired size
Clear	Removes the drawn rectangle

Typical values: **5–10%** for adult human detection only.

The system shows the corresponding dimensions in real time (e.g. **3% W × 18% H**).

Edit scenario #9 — Entrance A

ID	Name	Type	Object classes
9	Entrance A		<input checked="" type="checkbox"/> Human <input type="checkbox"/> Vehicle <small>Bikes and motorcycles are included in Vehicle.</small>

Click to place points - Drag handles to move - Right-click to remove

P1:(0.000, 0.000) - P2:(0.000, 0.000)
[Manual coordinates](#)

Minimum object size filter

Size (% of frame area)

0.5 % (3% W × 18% H)

0 = disabled - 5-10% for humans

Draw on image to set visually

Drag a rectangle representing the smallest object to count

Batch: apply size filter to a group

Applies the minimum size filter to all AOA scenarios assigned to the selected group (both IN and OUT). Recommended for motion line crossing to filter out animals or small objects.

Group Main Entrance (id:1)

Min size (% of frame) 0 0 = remove filter - 5-10 recommended for human detection only

[Edit scenario screen — minimum size filter with reference rectangle drawn on image]

Apply filter to a group (Batch)

At the bottom of the Scenarios tab, the **Batch: apply size filter to a group** function applies the same minimum size filter value to all scenarios assigned to a group (both IN and OUT) in a single operation:

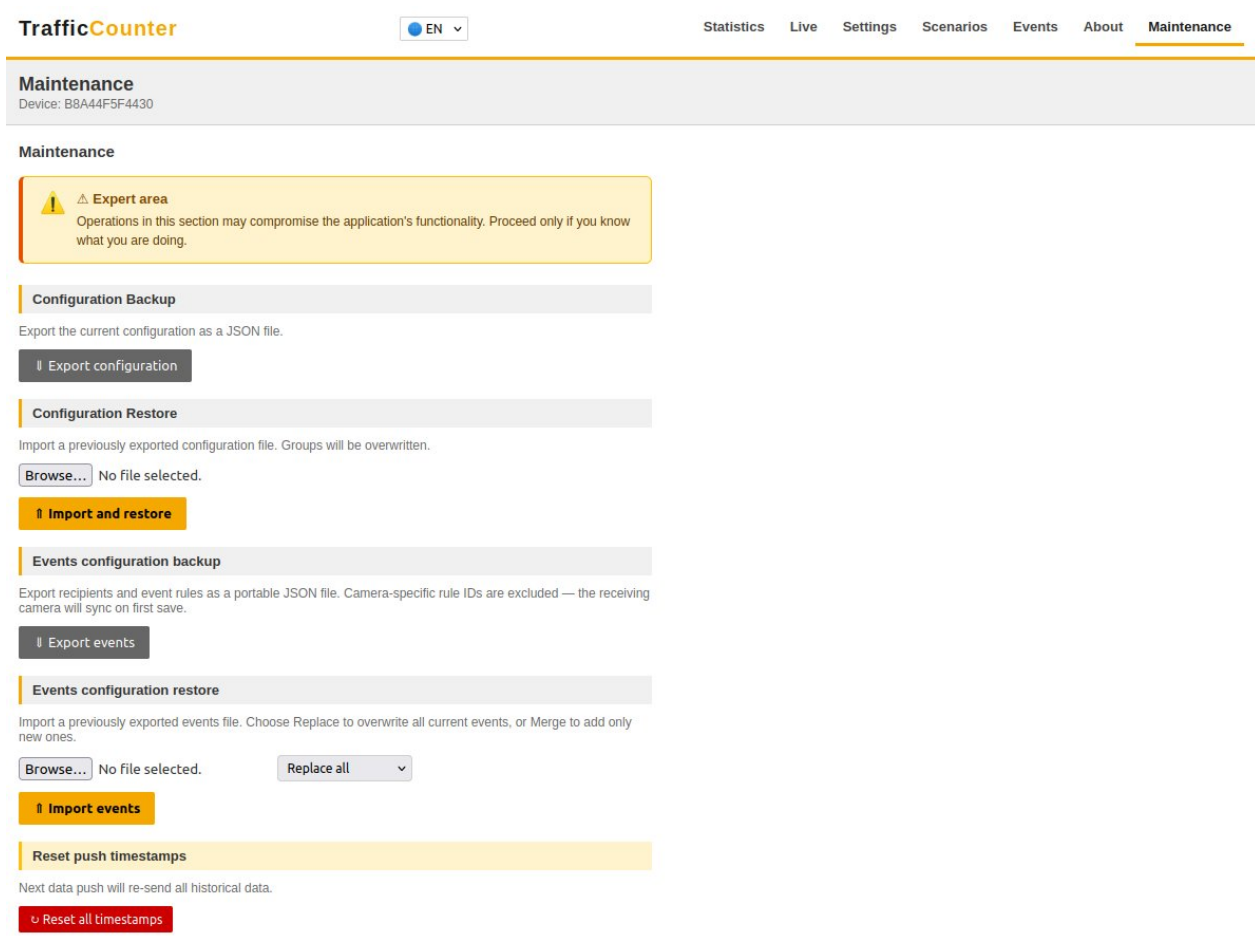
- Select the group from the **Group** dropdown
- Set the **Min size (% of frame)** value
- Click **Apply to all group scenarios**

10. Maintenance

The **Maintenance** tab contains backup, restore and diagnostic operations.

Expert area — operations in this section may compromise the application's

functionality. Proceed only if you know what you are doing.



TrafficCounter EN Statistics Live Settings Scenarios Events About **Maintenance**

Maintenance
Device: B8A44F5F4430

Maintenance

Expert area
Operations in this section may compromise the application's functionality. Proceed only if you know what you are doing.

Configuration Backup
Export the current configuration as a JSON file.
Export configuration

Configuration Restore
Import a previously exported configuration file. Groups will be overwritten.
Browse... No file selected.
Import and restore

Events configuration backup
Export recipients and event rules as a portable JSON file. Camera-specific rule IDs are excluded — the receiving camera will sync on first save.
Export events

Events configuration restore
Import a previously exported events file. Choose Replace to overwrite all current events, or Merge to add only new ones.
Browse... No file selected. **Replace all** ▼
Import events

Reset push timestamps
Next data push will re-send all historical data.
Reset all timestamps

[Maintenance screen — backup, restore, diagnostics and Demo Mode]

Group configuration backup

Maintenance tab → **Configuration Backup** → **Export configuration**

Downloads a `.json` file with all groups, scenarios and settings.

Useful as a backup or to document the installed configuration.

Group configuration restore

Maintenance tab → **Configuration Restore** → select the `.json` file → **Import and restore**

Existing groups are overwritten with those from the imported file.

Events configuration backup

Maintenance tab → **Events configuration backup** → **Export events**

Exports recipients and event rules to a portable `.json` file.

Camera-specific rule IDs are excluded: the receiving camera will sync its own IDs on first save.

Events configuration restore

Maintenance tab → **Events configuration restore**:

- Click **Browse...** and select the events file
- Choose the mode from the dropdown:
- **Replace all** — replaces all existing events
- **Merge** — adds only events not already present
- Click **■ Import events**

Reset push timestamps

Maintenance tab → **Reset push timestamps** → **■ Reset all timestamps**

The next Data Push will resend all available history for all groups.

Useful after changing the server.

■ 11. Interface Language

The language selector is in the upper left corner of the interface, next to the TrafficCounter logo.

Available languages: English, Italiano, Français, Deutsch, Español, **■■■■■■■■■**, **■■■**.

The selection is saved automatically.

■ 12. Events and Notifications

The **Events** tab allows you to configure automatic notifications: when an object crosses an AOA virtual line, the camera sends an image to a user-configured HTTP server.

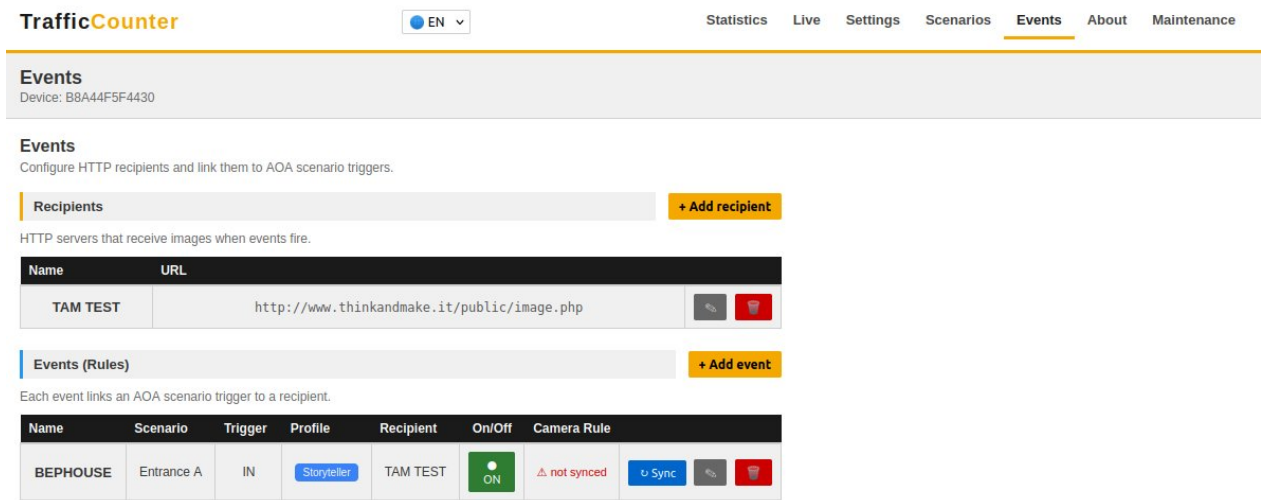
HTTP Recipients

A **recipient** is a server that receives images.

- Click **+ Add recipient**
- Fill in:

Field	Description	Example
Name	Recipient name	VMS Server
URL	Full server address	https://your-server.example.com/api/snapshot

- Click **Save**



[Events screen — recipient list and event rules]

Event Rules

An **event rule** links an AOA scenario trigger to a recipient.

- Click **+ Add event**
- Fill in the **Edit event** dialog:

Field	Description
Name	Descriptive rule name
Scenario	The AOA scenario that generates the trigger
Trigger	Object Analytics: IN (entrance) or OUT (exit)
Profile	Image profile (e.g. Storyteller: 640x360 MJPEG 1fps)
Recipient	HTTP recipient to notify
Custom CGI parameters	Additional parameters appended to the URL (e.g. nameCam=CheckpointName)
On/Off	Enabled / Disabled (slider)

- Click **Save**

The full resulting URL is shown as a preview below the Custom CGI parameters field.

The screenshot shows the 'Edit event' dialog box in the TrafficCounter interface. The dialog is titled 'Edit event' and contains the following fields and options:

- Name:** BEPHOUSE
- Scenario:** Entrance A (#9)
- Trigger:** Object Analytics: IN (entrance)
- Profile:** Storyteller
- Recipient:** TAM TEST
- Custom CGI parameters:** nameCam=BepHouse
- Full URL:** http://www.thinkandmake.it/public/image.php?nameCam=BepHouse
- On/Off:** Enabled (toggle switch)

Buttons for 'Cancel' and 'Save' are located at the bottom right of the dialog.

[Edit event screen — dialog with all fields]

Enabling/disabling a rule

Each row in the events table has an **ON/OFF** button: clicking it enables or disables the rule without deleting it. The **Camera Rule** column shows the synchronisation status with the camera's internal rule system:

if **not synced** appears, click **Sync** to align the rule.

13. Troubleshooting

The orange banner does not disappear after uploading the license

Verify that the `.lic` file is the correct one for this camera (the serial in the file must match the one shown in About).

Groups do not appear in statistics

Data is only sent after the first 15-minute cycle. Wait a maximum of 16 minutes after activating the group, or use **Test** for an immediate send.

"License limit reached" when creating a group

The installed license has a group limit. Contact your administrator to obtain a license with more groups.

Scenarios do not appear in the group editor

Object Analytics is not configured or has no *Cross Line Counting* scenarios.

Open the **Scenarios** tab and verify that active scenarios exist, or create a new one with **+ Add scenario**.

The **Test** button shows an error

Message	Cause	Solution
HTTP 404	Virtual serial not registered on server	Register the virtual serial on the destination server
HTTP 401	Authentication required	Add the correct Auth header in the group editor
HTTP 403	Access denied	Check credentials and permissions on the server
HTTP 422	Payload rejected	Verify that the selected protocol is compatible with the server
HTTP 500	Remote server internal error	Contact the remote server administrator
Network error	Server unreachable	Check URL and camera network connectivity

Important: connectivity is checked from the camera's network, not from the client computer's network. A server reachable from the browser may not be reachable from the camera if they are on different networks.

Sundays do not appear with a different colour in statistics

The purple colouring of Sundays in the hourly view is automatic and based on the timezone configured on the camera. Verify that the camera's clock and timezone are correctly set.