# Configuration Tool – User Manual

This user manual guides the user through the complete process of configuring setups and cameras for a sports field. At the end of the process, you will get the result of the selected setup as a JSON file.

Arrows with numbers represent the logical order of steps of a segment. If the numbers are red, these steps are mandatory to complete the configuration. When arrows do not have a number there is no necessary order to configure that segment or the action is optional. Lines without arrows provide additional information about the result of an action.

## Choosing a setup

1. Click the input field and type a setup name
2. Click the "Add" button or press enter to add the setup
3. Click the setup button to start configuration for that setup
- Click the "Rename" button, type a new name in the appeared input field and press enter to rename that setup

**TrackBox**

**Home**

Home

Camera

Overview

Config

Input a setup name and add it to the list.
Choose a setup to configure.

waalwijk | Add

1

2

**TrackBox**

**Home**

Home

Camera

Overview

Config

Input a setup name and add it to the list.
Choose a setup to configure.

| Add

**waalwijk** | Rename

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# TrackBox

## Home

Input a setup name and add it to the list.
Choose a setup to configure.

[          ] Add

| waalwijk | waalwijk_2 |

Enter

# TrackBox

## Home

Input a setup name and add it to the list.
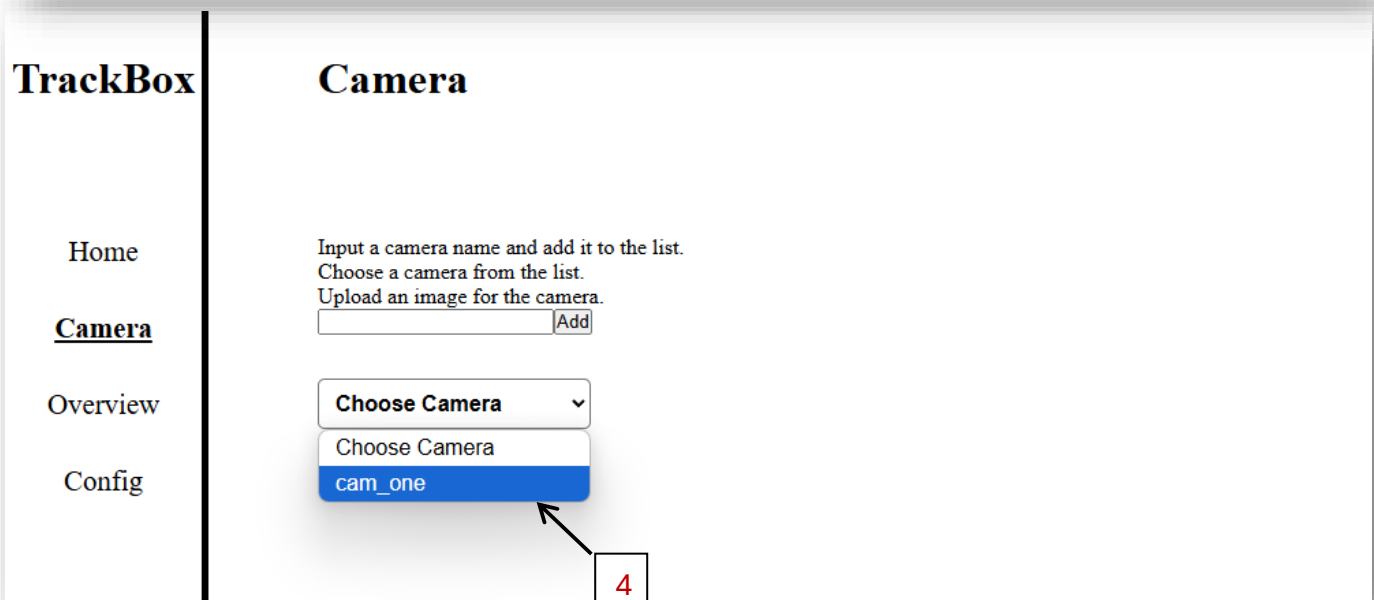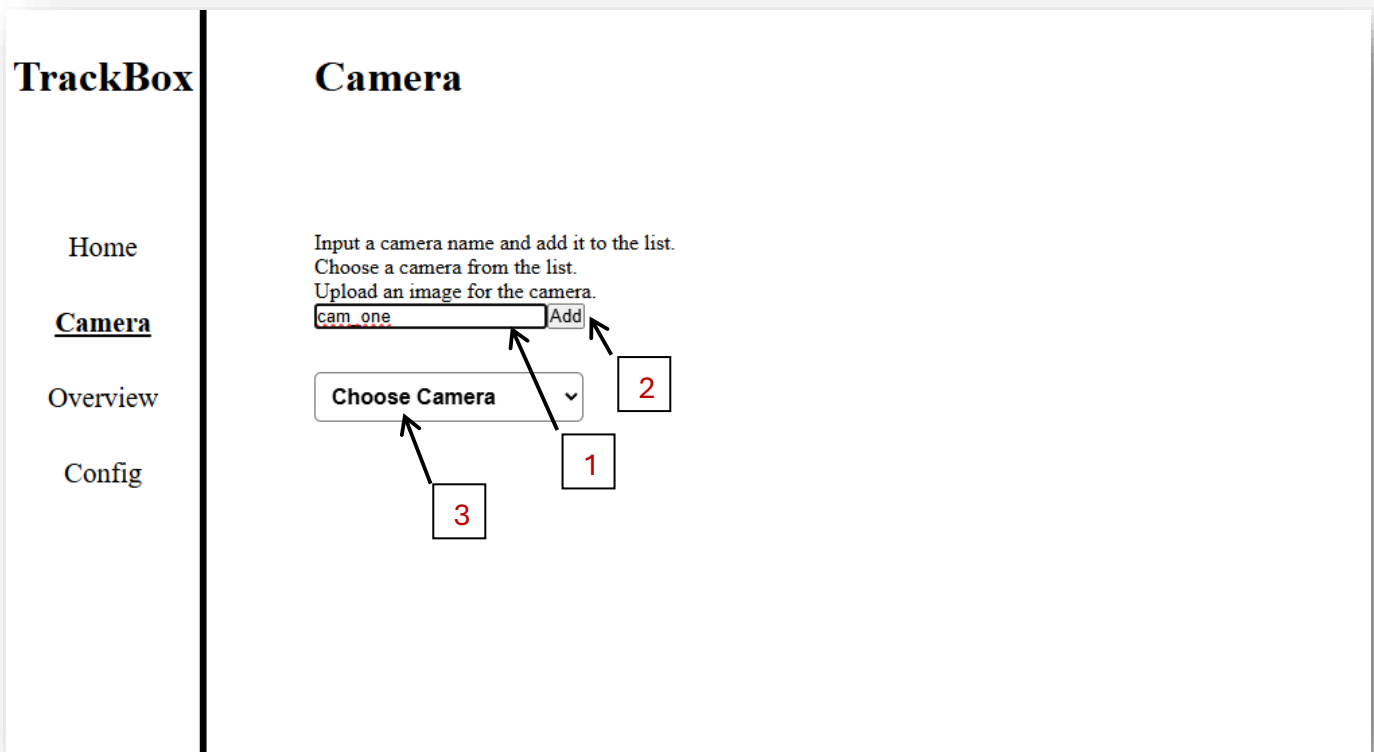Choose a setup to configure.

[          ] Add

| waalwijk_2 | Rename |

Renamed setup

## Choosing a camera

1. Click the input field and type a camera name
2. Click the "Add" button or press enter to add the camera
3. Click the dropdown menu to open the list of cameras
4. Click a camera to start configuring it

**TrackBox**

**Camera**

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**Camera**

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Config

Input a camera name and add it to the list.
Choose a camera from the list.
Upload an image for the camera.

cam_one | Add

2

Choose Camera ∨

1

3

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**TrackBox**

**Camera**

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**Camera**

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Config

Input a camera name and add it to the list.
Choose a camera from the list.
Upload an image for the camera.

| Add

Choose Camera ∨

Choose Camera
cam_one

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5. Upload an image for that camera
- Click the "Delete" button to delete the selected camera
- Click the "Rename" button, type a new name in the appeared input field and press enter to rename that camera



## Manual camera settings

- Click an input field and type a value for the label

# Pitch Marking

1. Double click on the image to add a point to the mouse position
- Click and hold to drag a point for repositioning
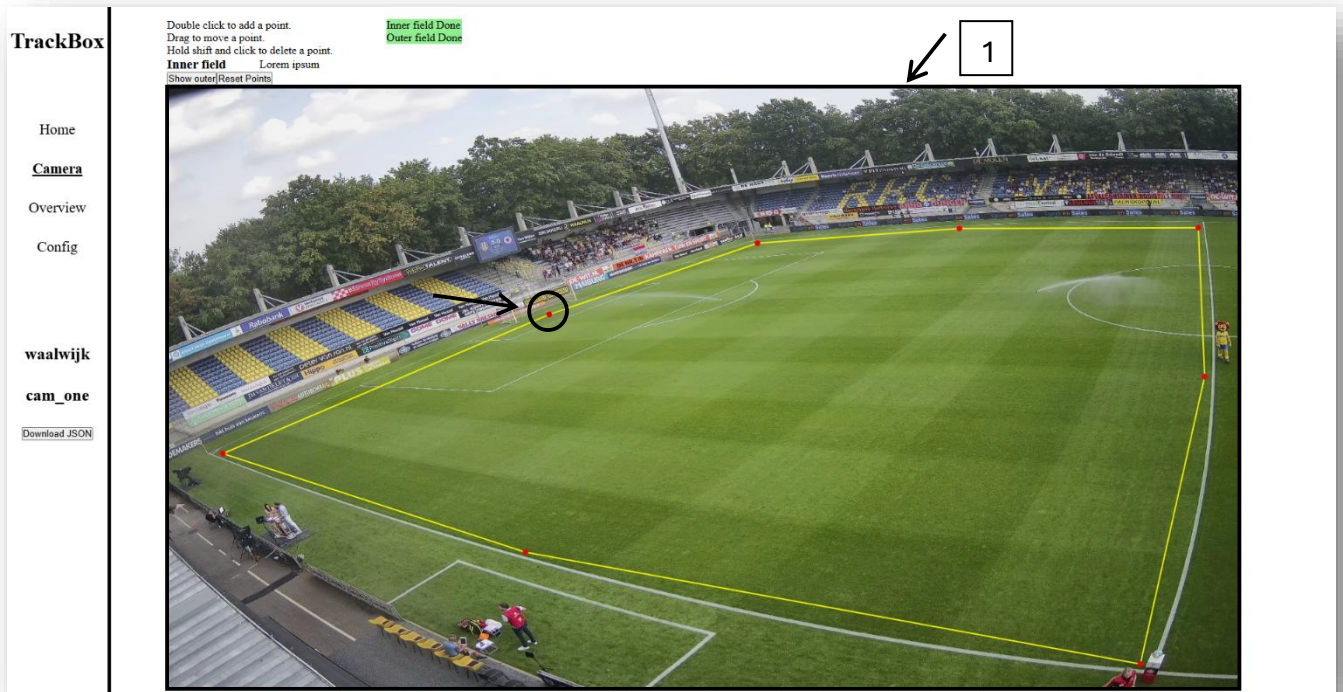


- Hold shift and click a point to delete it



Dragged point
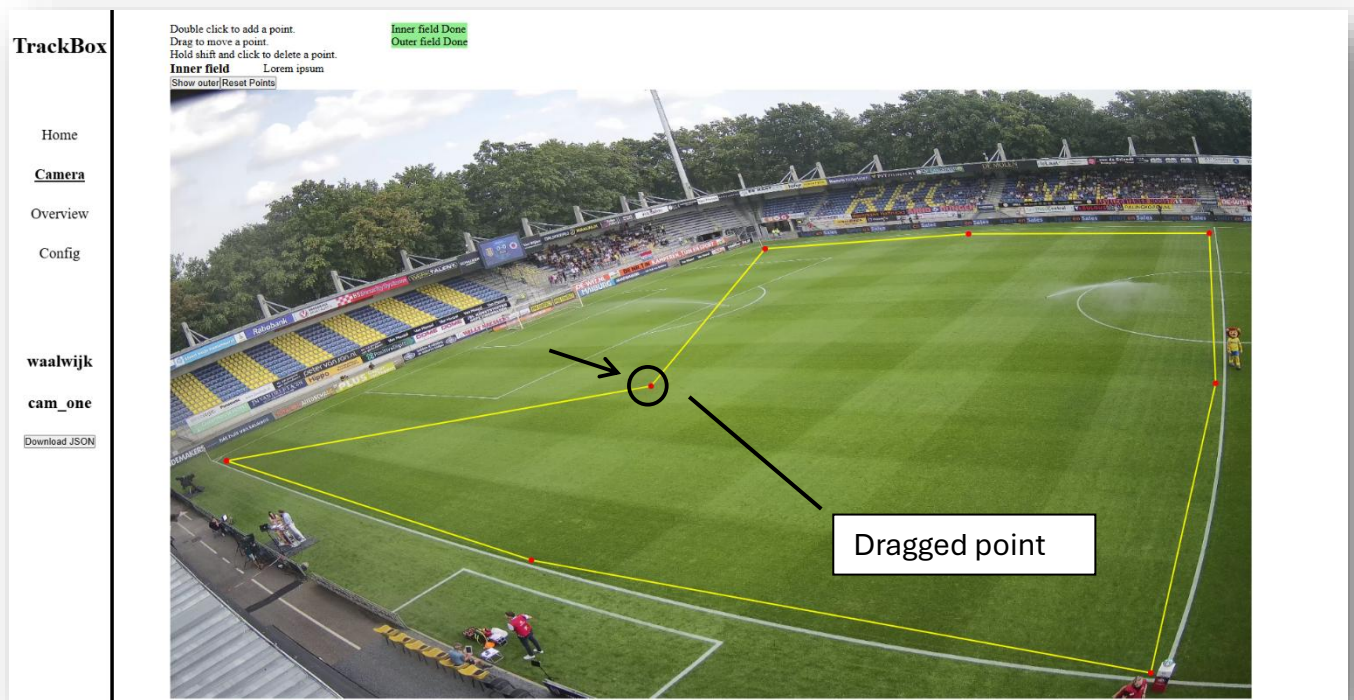
**TrackBox**
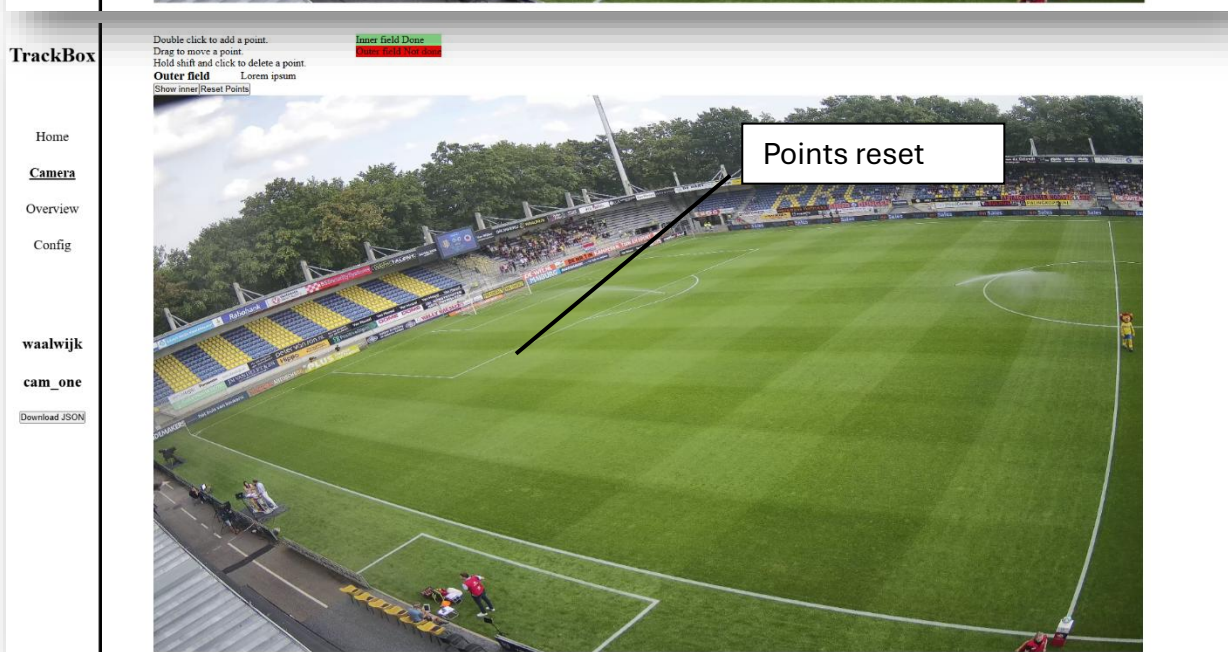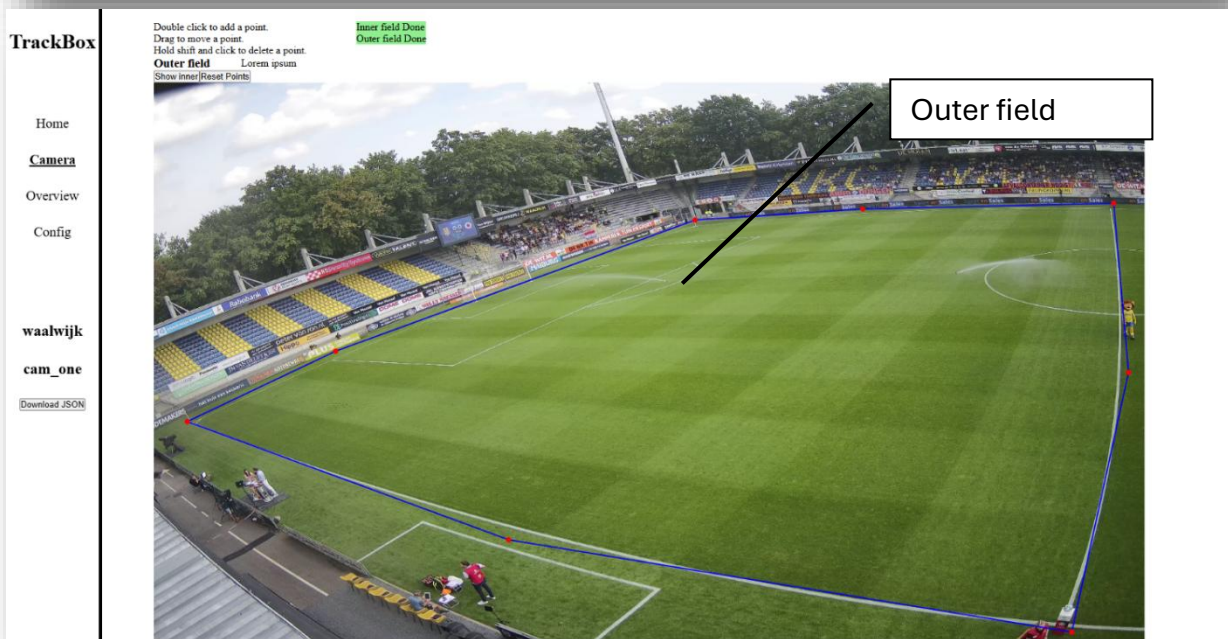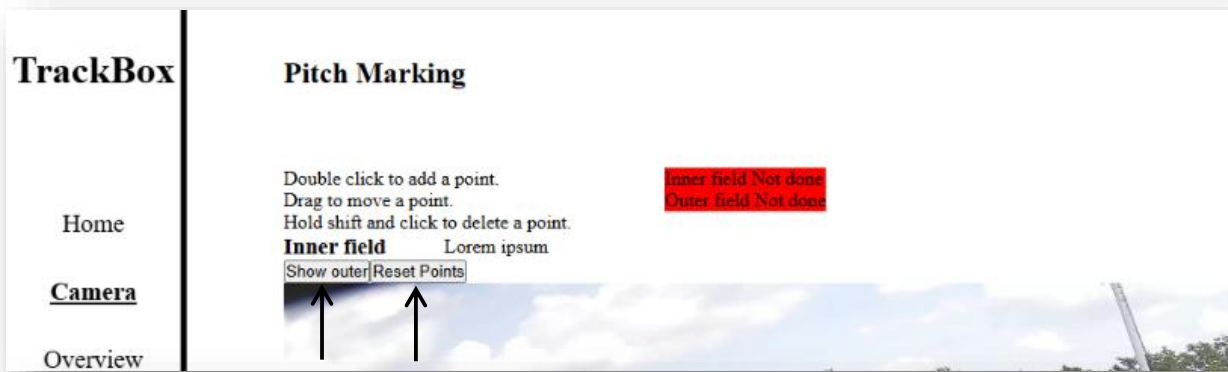
Double click to add a point.
Drag to move a point.
Hold shift and click to delete a point.
**Inner field**    Lorem ipsum
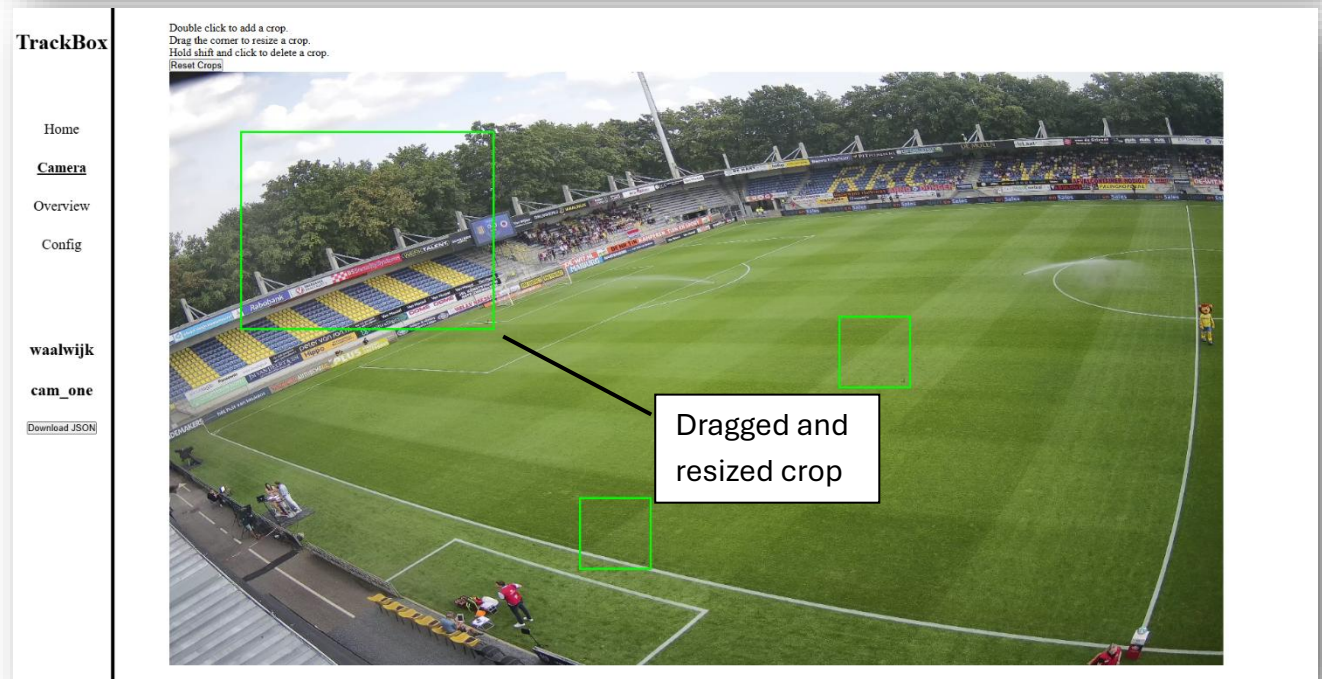Show outer Reset Points

Inner field Done
Outer field Done

Deleted point

- Click the "Show outer" button to show the outer field (and vice versa)
- Click the "Reset Points" button to delete all points from a field



Outer field



Points reset

# Crop marking

1. Double click on the image to add a point to the mouse position
- Click and hold to drag a crop for repositioning
- Click and hold to corner of a crop to resize it





Dragged and resized crop

- Click the "Reset Crops" button to delete all crops

**TrackBox**

**Crop Marking**

Double click to add a crop.
Drag the corner to resize a crop.
Hold shift and click to delete a crop.
Reset Crops

Home

**Camera**



**TrackBox**

Double click to add a crop.
Drag the corner to resize a crop.
Hold shift and click to delete a crop.
Reset Crops

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Download JSON

Crops reset
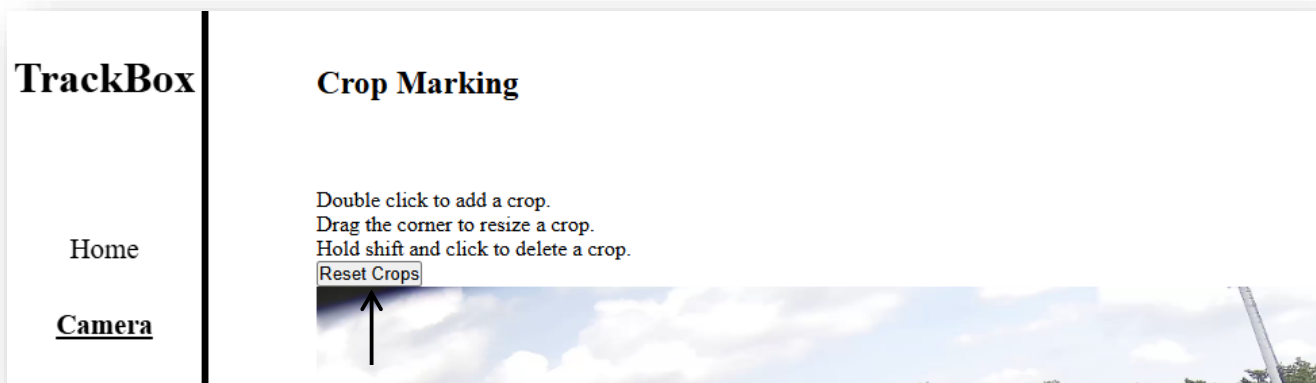
# Homography

- Click and hold to drag the homography points over the image



1
0    0

2
0    0

3
0    0

4
0    0

1
0    0

2
0    0

3
0    0

4
0    0

- Type in the coordinate number boxes for more precise adjustments



1
468   127

2
829   112

3
788   494

4
29   310

1
26   23

2
428   24

3
427   486

4
25   486

# Undistortion

- Drag the sliders to adjust undistortion parameters
- Type in the number input fields to adjust undistortion parameters
- Click increments in the number input fields to adjust undistortion parameters
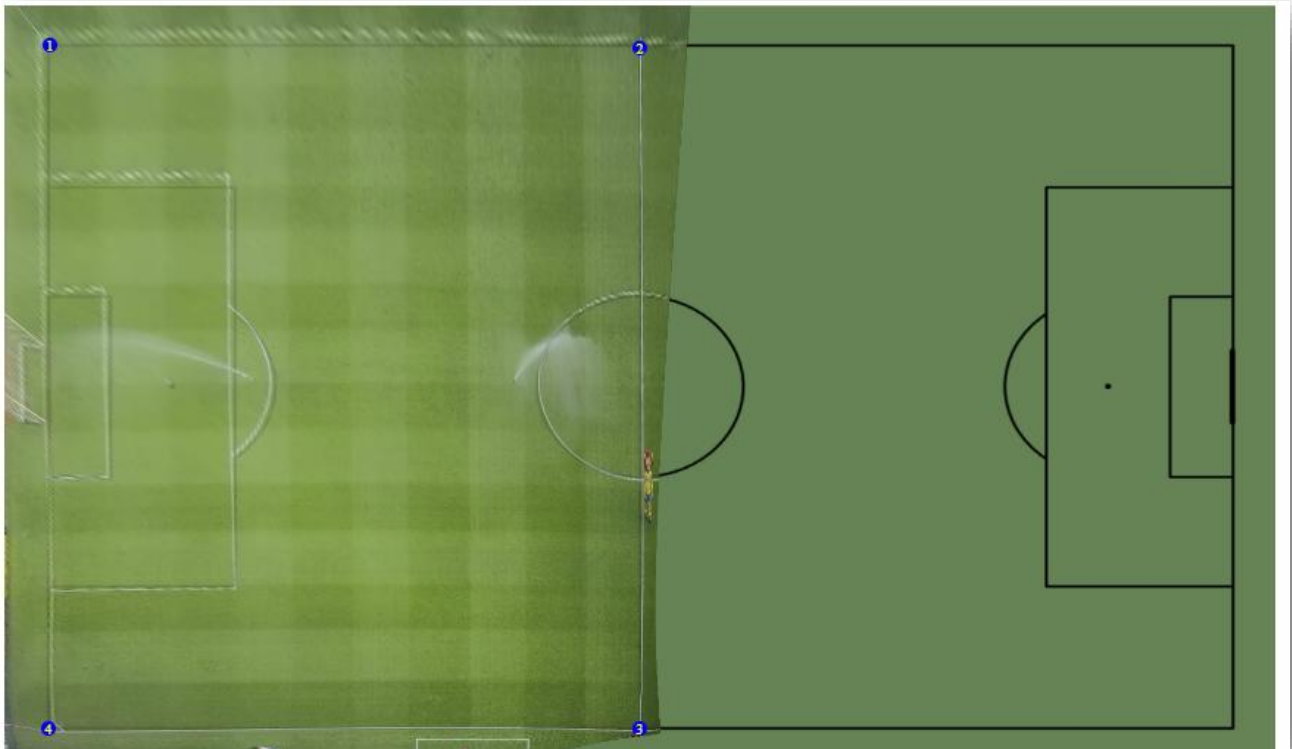
- Type in the max/min number input fields to adjust the range of the undistortion parameters
- Click the reset params button to set all undistortion parameters to default

# Manual setup settings

- Click an input field and type a value for the label or check the box

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## Configuration - General

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**waalwijk**

**cam_one**

Download JSON

**Setup Configuration**

| | | |
|---|---|---|
| Device Type: | | Lorem ipsum |
| Timestamp Start: | 2025-06-01T00:57:13.07654 | Lorem ipsum |
| Timestamp End: | 2025-06-01T00:57:13.07655 | Lorem ipsum |
| Extract Data Path: | | Lorem ipsum |
| Stop Team After: | 0 | Lorem ipsum |
| Tracker Type: | | Lorem ipsum |
| Output Fps: | 0 | Lorem ipsum |
| Output Path: | | Lorem ipsum |
| Debug Visualize: | ☐ | Lorem ipsum |

# Adjusting a configurable

1. Click the "Add" button to add a configurable (team detector/detector/field)
2. Click the configurable to show its input fields
3. Click an input field and type a value for the label or check the box
- Click the "Delete" button to delete a configurable
- Click the "Assign" button to assign a configurable to the current setup

# Downloading configuration

- Click the "Download JSON" button to download all the configured values of the selected setup as a JSON file