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conference automation

Bosch AUTODOME IP 5000i camera configuration





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EasyCam - Bosch AUTODOME IP 5000i camera

This document describes how to setup/configure a Bosch 5000i camera and the EasyCam software in order to use this camera for both IP camera control and IP-based video.

Step 1

- Please follow the **5000i** installation manual first. The camera will first-time ask to configure a **password** for the camera.

TIP: The initial **username** is most likely **service** when the camera asks to login. Sometime more than 1 attempt is required to enter the camera configuration.

Step 2

- Go to configuration → camera → encoder profile.
- Select **profile 1**, and configure the camera for **10000 Mbps, highest quality** and **255 Iframe distance**.

The screenshot displays the configuration interface for the Bosch AUTODOME IP starlight 5000i camera. The main title is "AUTODOME IP starlight 5000i". The interface includes a navigation bar with "Live" and "Playback" tabs, and a "Configuration" button. A left sidebar lists configuration categories: General, Web Interface, Connectivity, Camera, Encoder Profile, Encoder Streams, Encoder Statistics, Encoder Regions, Privacy Masks, and Lens Settings. The "Camera" category is expanded, and "Encoder Profile" is selected. The "Encoder Profile" settings are shown for "Profile 1". The profile name is "HD Image Optimized". Under "Intelligent Streaming", "Bit rate optimization" is set to "Maximum quality", "Maximum bit rate" is 10000 kbps, "Averaging period" is "No averaging", and "Target bit rate" is 5000 kbps. The "Frame rate" is set to 50.00 fps, and the "Video resolution" is 768 x 432. There are "Default" and "Set" buttons at the bottom, and an "Expert Settings >>" link.

Step 3

- Go to camera → encoder streams and set Non-recording profile to 1: HD Image Optimized.

Video 1
Camera 1

Stream 1

Property	1080p (2 MP) ▼
Non-recording profile	1: HD Image Optimized ▼
Active profile	7: DSL Optimized

Step 4

- Go to **Camera** → **Installer Menu** and select below settings:
50Hz for most of Europe and use the **H.264** codec.

Installer Menu

Sensor mode	<input type="text" value="50 fps - HD 1080p 16:9"/>
Image rotation	<input type="text" value="0°"/>
Mirror image	<input type="radio"/> On <input checked="" type="radio"/> Off
Coding standard	<input checked="" type="radio"/> H.264 <input type="radio"/> H.265 <input type="radio"/> H.265 (no B-frames)
Camera LED	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Reboot device	<input type="button" value="Reboot"/>
Factory defaults	<input type="button" value="Defaults"/>

Step 5

- Go to General → display stamping and disable all OSD effects.

Display Stamping

Camera name stamping	<input type="button" value="Off"/>
	<input type="checkbox"/> Underlay with full-width bar
Logo ?	<input type="text" value="No file selected."/> <input type="button" value="Browse..."/> <input type="button" value="Upload"/>
Logo position	<input type="button" value="Off"/>
Time stamping	<input type="button" value="Off"/>
Display milliseconds	<input type="button" value="Off"/>
Live video indicator	<input type="button" value="Off"/>
Alarm mode stamping	<input type="button" value="Off"/>
Alarm message	<input type="text"/> (max. 31 characters)
Title OSD	<input type="button" value="Off"/>
Camera OSD	<input type="button" value="Off"/>
Title region	<input type="button" value="Off"/>
Telemetry region	<input type="button" value="Off"/>
Feedback region	<input type="button" value="Off"/>
Transparent background	<input checked="" type="checkbox"/>
Text color	<input type="text" value="#FFFFFF"/>
Background color	<input type="text" value="#000000"/>
Stamping size	<input type="button" value="Normal"/>
Video authentication	<input type="button" value="Off"/>
Signature interval [s]	<input type="text" value="0"/>

Set

Step 6

- Go to camera → enhance and disable all enhancement effects.
- Note: All slides to the left (-15).

Enhance (Standard)

Backlight compensation

Off

Contrast enhancement

On Off

Intelligent Defog

Off

Intelligent Dynamic Noise Reduction

On Off

Sharpness level

◀▶

Temporal noise filtering

◀▶

Spatial noise filtering

◀▶

Intelligent Streaming ⓘ

Dynamic sharpness & noise filtering

On Off

Step 7

- Optionally go to **camera** → **color** and change some color settings like a bit more **contrast**, **saturation** or manually setup the **white balance**.



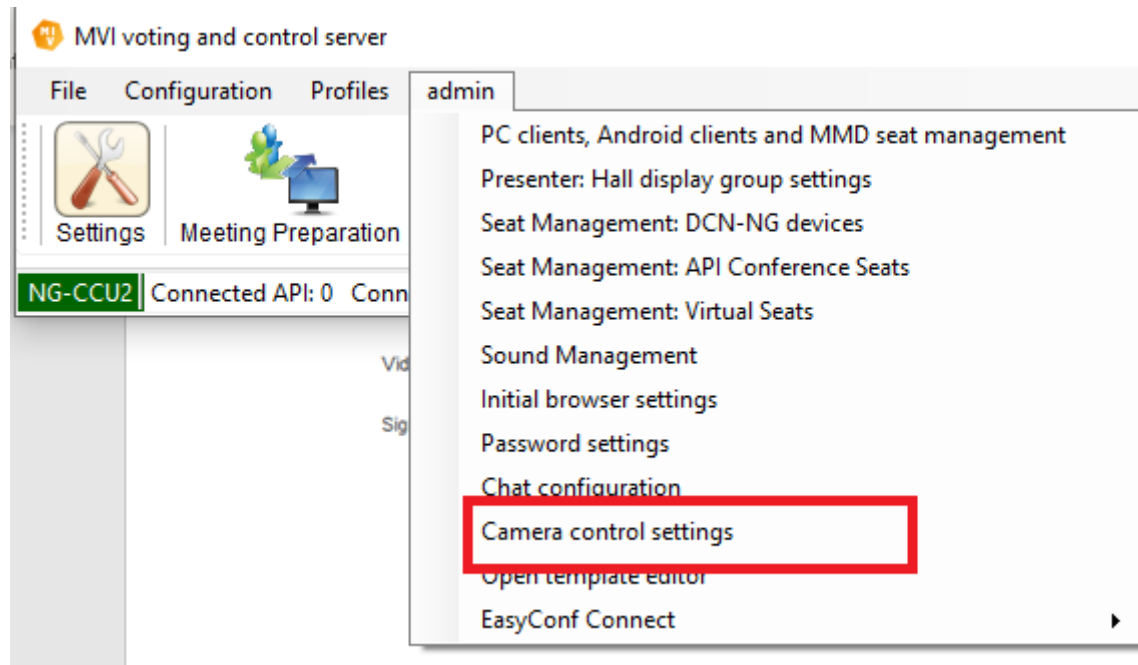
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EasyConf - camera control settings

These settings are required to setup the camera for camera control use.

Step 1

- Open EasyConf admin menu, then select Camera control settings.



Step 2

- For each camera, select **Onvif** as camera **Brand**. Enter the **IP address**, and the **User** and **Password** for the camera. If needed setup a new **Username** and **Password** in the **User** section of the camera for this purpose. If the camera is in a **standing** position, you need to **invert** the **X** and **Y** controls.

Camera control settings

Camera Settings Rooms and areas Joystick Settings Skaarhoj PTZ Pro

Cam Number	Enabled Invert control		Input	Manual Focus	Brand	TCP	Serial	Camera IP address	Special prepositions	User	Pass
	X	Y									
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1		Onvif		Open	192.168.201.58	Recall	service	*****
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2		Onvif		Open	192.168.201.77	Recall	service	*****



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EasyCam - camera client video display settings

These settings are required to display the **live camera feed** from the **Bosch 5000i** camera in the **EasyCam** software.

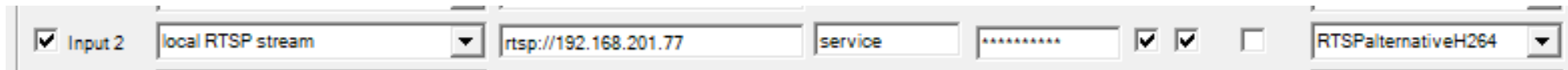
Step 1

- Open the **Settings window** of the **EasyCam** client software.

Tip: Click on the camera client window and press **F12**. Or right-click on the **EasyCam** mini-icon next to your Windows time and select **Settings**.

Step 2

- Go to the **Inputs** tab and use below settings.
- Again, you require the **Username** and **Password** of the camera in order use the camera feed.
- Also note to use the **RTSPAlternativeH264** as RTSP client decoder for this camera.



The screenshot shows a configuration interface for 'Input 2'. It includes a checked checkbox for 'Input 2', a dropdown menu set to 'local RTSP stream', a text field containing 'rtsp://192.168.201.77', a text field for 'service', a password field with masked characters, two checked checkboxes, an unchecked checkbox, and a dropdown menu set to 'RTSPAlternativeH264'.

Testing

You should be able to **select** the camera in our **Camera Control UI**.

If the button is **greyed out**, you may have **forgotten** to select the **Enable checkbox** in the **Settings**.

After selection, you should be able to see the video of the camera.

If you don't see the video, please check using an external tool like **FFplay** (from **FFmpeg**) to play the **RTSP feed** or use **VLC**. Then the **RTSP link** is: **rtsp://user:password@<ipaddress>**.

The most likely cause for **non-working IP decoding** is a too old **Nvidia driver**.

You should be able to move the camera, and store prepositions. If not, it may have to do with the combination **Username** and **Password**.

Contact **support@mvi-audiovisual.com** for assistance where needed.

Tips

- There is **no limitation** in the amount of **prepositions**.
- The camera has a **color menu** which can be used to give a more **natural feel** to the **live video**.
- **Increase** the **contrast** slightly for a better **dark** experience on **dark** surfaces, it reduces the noise somewhat as well on **dark** surfaces, since we **disabled** all **noise reductions**.