

Vimeo Custom RTMP Settings for Foveo

Recommended live streaming settings for Foveo

Purpose: This guide gives the recommended settings for using this tool with Foveo live streaming. The goal is a stable input for Foveo and Cloudflare.

1. Recommended settings

Setting	Recommended value	Notes
Protocol	RTMP or RTMPS if the client supports it	Use the Foveo server URL and the Foveo camera stream key. Do not stream to the software vendor platform unless it is only used as a relay.
Video codec	H.264 AVC	Do not use H.265 HEVC over RTMP. It is not safe for this flow.
Audio codec	AAC LC	48 kHz stereo at 128 Kbps is the safe target.
Resolution	1280 x 720	Use 1080p only after a stable test with enough upload bandwidth. Avoid 4K.
Frame rate	30 fps	Avoid 60 fps unless there is a strong reason and the network is proven stable.
Rate control	CBR	If the tool only has Auto or VBR then set a ceiling and test with Foveo preflight before the event.
Video bitrate	3000 Kbps for 720p	Use 2000 to 2500 Kbps on weak connections. Use 4500 to 6000 Kbps for 1080p only if stable.
Keyframe interval	2 seconds	Use a fixed value. Do not use Auto or Variable. Use 4 seconds only if the customer still sees buffering.
Reconnect	Enabled	Retry every 2 to 5 seconds. Use many attempts or unlimited reconnect.
Network	Wired Ethernet	Wi-Fi and cellular can work but they are common causes of short disconnects.

2. Setup steps

1. Do not stream only to a Vimeo event when the target is Foveo. Use Custom RTMP output if the tool provides it.
2. Create or open the live event in the Vimeo or Livestream tool.
3. Find the Custom RTMP or external destination area.
4. Paste the Foveo server URL in the RTMP URL field.
5. Paste the Foveo camera stream key in the stream key field.
6. Select 720p if quality options are shown.
7. Select 30 fps if frame rate is shown.
8. Select H.264 video and AAC audio if codec options are shown.
9. Set bitrate to 3000 Kbps if a custom bitrate field is available.
10. Start streaming and confirm in Foveo that the camera is publishing.

3. Pre-event test

11. Start the encoder at least 10 minutes before the event.
12. Open the Foveo admin or director page and confirm that the camera is publishing.
13. Run the Foveo camera quality check.
14. Confirm that bitrate is close to the selected value.
15. Confirm that GOP or keyframe interval is around 2 seconds.
16. Confirm that FPS is 30 and resolution is 1280 x 720.
17. Confirm that audio is detected as AAC with 48 kHz when possible.
18. Start the broadcast only after the test is stable.

4. What to do if it disconnects

- Lower video bitrate to 2500 Kbps and test again.
- If buffering continues, test a fixed 4 second keyframe interval.
- Switch from Wi-Fi to wired Ethernet.
- Restart the encoder and the router only if the issue continues.
- Check the encoder log for dropped frames, reconnect messages, or CPU overload.
- Send screenshots of the output settings to the Foveo support team.

5. Important notes

- The word Vimeo can mean the Vimeo platform, Vimeo Live, or Livestream Studio. The correct mode for Foveo is Custom RTMP output to the Foveo ingest server.
- If the simple Vimeo interface does not expose bitrate, keyframe, or codec settings, use Livestream Studio, OBS, YoloBox, or another encoder that exposes these fields.