

vMix RTMP Settings for Foveo

Recommended setup and live streaming settings for Foveo

Purpose: This guide explains how to connect vMix to Foveo by RTMP, configure the recommended video and audio settings, and verify a stable Foveo input before a service.

1. Recommended settings

Setting	Recommended value	Notes
Protocol	RTMP	Use the Foveo server URL and unique IP Camera stream key.
Service	Custom	Select Custom RTMP Server in vMix Streaming Settings.
Server	Foveo RTMP URL	Enter exactly as shown.
Video codec	H.264 (Main)	Use the H.264 (Main) video codec.
Stream Output	1280 x 720P/30FPS (@1 Mbps)	Set the stream quality profile to 1280 × 720.
Frame rate	30	Set the stream frame rate to 30 fps.
Rate control	CBR	Set Rate Control to CBR.
Video bitrate	3000 Kbps (CBR)	Set Bitrate to 3000 Kbps (CBR).
Keyframe interval	4 seconds	Set the keyframe interval to 4 seconds.
Audio codec	AAC	Use AAC audio for the stream.
Audio bitrate	128 kbits/sec	Set the audio bitrate to 128 Kbps.
Audio sample rate	48.000 kHz	Use the standard 48 kHz streaming sample rate.
Audio channels	2 (Stereo)	Confirm the intended audio

		bus is enabled and set the stream to stereo.
Scanning	Progressive	Normally automatic in vMix.

Guide values: Stream Output — 1280 x 720P/30FPS (@1 Mbps); Bitrate — 3000 Kbps (CBR). The bitrate and rate control reflect the user-authorized change from the supplied Foveo guidance.

2. Before you begin

- A Windows computer capable of running vMix.
- vMix installed, with the intended camera and audio sources already visible and active.
- Your Foveo.app sign-in and permission to access Streams > IP Cameras.
- Google Chrome for checking the incoming Foveo camera preview.
- A stable internet connection with enough upload capacity for the selected bitrate.

3. Prepare vMix

Open vMix on the computer connected to the camera. Add the required camera and audio inputs, then confirm that the intended video appears in the preview and that the correct audio meters respond.

4. Get the Foveo RTMP URL and Stream Key

1. In Google Chrome, sign in to Foveo.app.
2. From the left menu, open Streams > IP Cameras.
3. If a suitable IP Camera connection is not listed, select + Create.
4. Give the connection a clear name, such as vMix - Main Chapel or vMix - Videographer, and select Save.
5. Select the camera name to reveal its RTMP URL and unique RTMP Key.

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☐	Name	Connected	Last Connected At	Creation Date	
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☰ Edit IpCamera Camera1

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Name *

Camera1

RTMP URL

rtmp://v2api.foveo.app:1935/ip-camera

RTMP Key

bc75743ca1

SAVE

DELETE

Keep the key private: Use the key displayed in your own Foveo account. Do not reuse an example key shown in a screenshot or another funeral home's connection.

5. Connect vMix to Foveo

1. Click the gear icon beside Stream at the bottom of the vMix window.
2. In the Streaming Settings window, set Destination to Custom RTMP Server.
3. Paste the Foveo RTMP URL into the URL field.
4. Paste the Foveo Stream Key into the Stream Key field.
5. Confirm that the URL and key were copied into their separate fields without extra spaces.
6. Leave other destination settings at their defaults unless Foveo Support directs otherwise.
7. Click Save and Close.

vMix Streaming fields

- Destination — Custom RTMP Server
- URL — The RTMP URL displayed in Foveo.app
- Stream Key — Your unique key from Foveo.app
- Save — Save and Close

vMix identifies the second credential as the Stream Key; it may also be called the stream name. Keep the URL and Stream Key in their separate fields.

6. Configure vMix video and audio

1. Click the gear icon next to the quality or stream profile.
2. Set Resolution to 1280 × 720 and Frame Rate to 30 fps.
3. Set Rate Control to CBR, Video Bitrate to 3000 Kbps, and Keyframe Interval to 4 seconds.
4. Set Video Codec to H.264 (Main), Audio Codec to AAC, Audio Bitrate to 128 kbits/sec, Sample Rate to 48.000 kHz, and Channels to 2 (Stereo).
5. Confirm that the intended audio bus is enabled for streaming and that its meter responds.
6. Click Save and Close.

Additional required Foveo values: Audio Sync Offset — 110 ms (requires local testing and tuning); Bit rate stats duration — 60 seconds; Stream Level — 5.1; Threads — 4; Application — FFMPEG; Scanning — Progressive.

7. Test the connection to Foveo

1. Confirm that the intended camera and audio are live in vMix, then click Stream.
2. In Foveo.app, return to Streams > IP Cameras and refresh the page.
3. Confirm that the camera shows a check mark under Connected and a recent time under Last Connected At.
4. Select the camera name and confirm that the live video preview appears in Google Chrome.

5. Listen for audio and allow for the normal 15-20 second delay between the source and the guest broadcast.
6. The Stream button should turn red. When the test is complete, click Stream again to stop the feed.

8. Check audio and video

1. Watch a person speak and check whether lip movement and sound align. Start with the published 110 ms Audio Sync Offset, then test and tune locally.
2. Confirm that speech is clear, at an appropriate level, and free of distortion.
3. If audio is missing, verify that the correct vMix audio bus is enabled for streaming.
4. Check the microphone, receiver, cable connections, gain settings, and battery level.
5. Restart the vMix stream and retest after any audio change.

9. Pre-service test

1. Start vMix and the encoder connection at least 20 minutes before the scheduled broadcast.
2. Confirm the intended camera framing and that the vMix program feed is correct.
3. Confirm audio meters are moving and speech is clear.
4. Confirm the Foveo IP Camera shows Connected and a current connection time.
5. Open the Foveo camera preview and confirm picture, audio, frame rate, resolution, and stability.
6. Allow for the expected 15-20 second delay.
7. After confirming the incoming feed, use GO LIVE in the Foveo Director Panel when you are ready for guests to watch.

10. What to do if there is a problem

- Foveo does not show Connected: Confirm vMix is actively streaming. Recheck Destination = Custom RTMP Server and compare the URL and Stream Key character by character with Foveo.app.
- Connected, but no usable preview: Wait for the normal delay, refresh the IP Cameras page, and reopen the camera record. Confirm the vMix preview contains the intended program feed.
- No audio: Confirm the correct vMix audio bus is enabled for streaming and is not muted. Recheck AAC and 128 Kbps.
- Audio and video are out of sync: Restart the vMix stream and retest. If the issue continues, contact Foveo Support with details about the camera, capture device, and audio source.
- The stream is unstable: Confirm upload speed is at least double the selected bitrate, reduce competing network use, and use wired Ethernet when possible.

11. Important notes

- There is normally a 15-20 second delay between vMix and the incoming Foveo preview or guest broadcast.
- The RTMP Key is unique to the selected Foveo IP Camera connection and should be kept private.
- Starting the RTMP stream in vMix sends the camera feed to Foveo; it does not necessarily make the funeral live to guests.
- After confirming video and audio, use GO LIVE in the Foveo Director Panel to begin the guest broadcast.

Need help: Contact Foveo Support at support@foveo.org. Include the funeral-home name, IP Camera name, vMix version, and screenshots of the Streaming Settings and quality profile.

Sources

- [vMix Encoder Setup for RTMP Streaming](#)
- [Encoder Settings for Streaming \(via RTMP\)](#)
- [vMix](#)