

vMix Replay Frame Rate Mismatch – Troubleshooting Guide

Overview

This document explains how to resolve vMix replay errors that occur when camera frame rates do not match the Replay Session format. This commonly happens when systems are upgraded from 25 fps to 50 fps.

What the Error Means

vMix Replay is format-locked. The replay recording format (Replay Session) must match the camera frame rate exactly.

If cameras are running at 50 fps but the Replay Session is still set to 25 fps, vMix will block replay recording and display an error message.

Why This Catches Experienced Users

- Replay format is NOT controlled by the main vMix Settings
- Replay format does not change automatically when inputs change
- Replay format cannot be changed while Replay is active

This often leads users to believe there is no setting available.

How to Change the Replay Session Format

Follow this sequence exactly:

1. Stop Replay (Replay button must be off)
2. Click the gear icon on the Replay button (not vMix Settings)
3. Locate Replay Format / Record Format
4. Change format from 25p to 50p
5. Confirm and close settings
6. Start Replay again

What to Check After Changing the Format

- Existing replay clips will still play back normally

- New clips will record at 50 fps
- Best practice is to treat 25 fps and 50 fps as separate replay sessions

Slow Motion Considerations

Using 50 fps cameras is recommended for replay workflows.

- 50% speed playback = clean slow motion
- 25 fps sources converted to 50p will not improve slow motion quality

System Performance Notes

Replay at 50 fps doubles frame processing. Ensure:

- Disk write speed is sufficient
- GPU decoding load is within limits
- No dropped frames occur during recording

If It Still Doesn't Work

Check the following in order:

- Replay was fully stopped before changing format
- All replay camera inputs are running at 50 fps
- No 25 fps inputs are assigned to replay
- vMix license edition supports the replay configuration
- Restart NDI inputs if used

Customer-Facing Explanation

'Replay has its own recording format in vMix. When the cameras were changed to 50 fps, the replay session stayed at 25 fps. Stop Replay, open the Replay settings using the gear icon, change the replay format to 50p, then start Replay again.'