



How to Troubleshoot If a Uniview Camera Has the 'Breathing' Effect?

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Product:	IPC	Date	9/26/2023

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Description

Note: This method is applicable to most scenarios. If the method cannot solve your problem, it is recommended to consult our Tech Support Team.

https://global.uniview.com/Support/Service_Hotline/

Background Knowledge

What is breathing effect image issue?

If the camera lens is facing an area with serried patterns of same shape and colors, the camera's background image will slightly change or shift periodically. This is a known common issue for all cameras from all manufacturers caused by I-frame technology. The breathing effect cannot be completely eliminated but only be reduced.

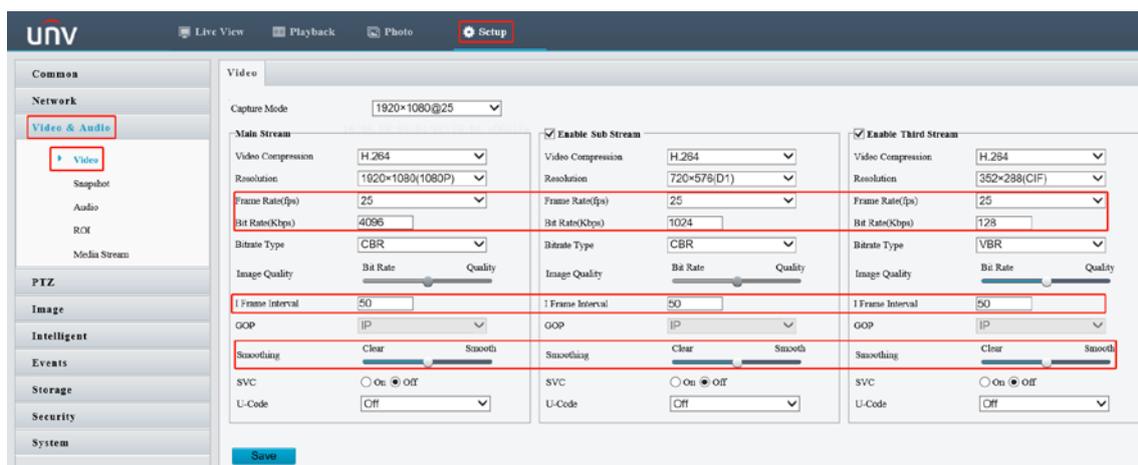
Operating Steps

Step 1 Use H.265 if possible. Increase Bite Rate value.

Step 2 Increase I Frame Interval value.

Step 3 Adjust Smoothing value.

Step 4 Decrease Frame Rate value (Not recommended)



Step 5 Decrease Sharpness value

Step 6 Increase 2D and 3D Noise Reduction value

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The screenshot shows the Uniview camera web interface. The top navigation bar includes 'Live View', 'Playback', 'Photo', and 'Setup' (highlighted with a red box). The left sidebar contains various settings categories: Common, Network, Video & Audio, PTZ, Image (highlighted with a red box), OSD, Privacy Mask, Intelligent, Events, Storage, Security, and System. The main content area is titled 'Image' and features a live video feed, a PTZ control panel, and a settings panel. The 'Image Enhancement' section is expanded and highlighted with a red box. It includes the following settings:

- Enable Auto Switching:
- Image Enhancement: **Image Enhancement** (highlighted with a red box)
- Brightness: Slider set to 128
- Saturation: Slider set to 128
- Contrast: Slider set to 128
- Sharpness: Slider set to 128 (highlighted with a red box and a red arrow pointing to it)
- 2D Noise Reduction: Slider set to 128 (highlighted with a red box)
- 3D Noise Reduction: Slider set to 128 (highlighted with a red box)
- Image Rotation: Normal (dropdown menu)

Below the 'Image Enhancement' section, there are sections for 'Exposure', 'Smart Illumination', 'White Balance', and 'Advanced', all of which are currently collapsed.