

New Features Added to Human Blur Tool

Overview

Two new options have been successfully added to the Human Blur Tool GUI to provide users with more control over their output files:

1. **Audio Handling Option** - Choose whether to keep or remove audio from video files
 2. **Custom Filename Suffix** - Specify a custom suffix for output filenames
-

1. Audio Handling Option

Description


Users can now choose whether to keep or remove audio from processed video files. This is particularly useful when:

- You want to create silent videos for privacy reasons
- The audio contains sensitive information that should be removed
- You need smaller file sizes (removing audio reduces file size)
- You're creating content for specific platforms that don't require audio

Location in GUI

Found in the **Output Settings** section, below the filename suffix field.

How to Use

- **Checkbox Label:** “ Keep audio in output videos (requires ffmpeg)”
- **Default:** Checked (audio is kept by default)
- **Action:**
 - **Checked:** Audio will be preserved in the output video (requires ffmpeg to be installed)
 - **Unchecked:** Audio will be removed from the output video

Technical Details

- Requires ffmpeg to be installed on the system for audio extraction and merging
- If ffmpeg is not available, a warning message will be displayed
- Audio is extracted before processing and merged back after video processing is complete
- Works for both single file and batch folder processing

Example Output

- With audio: `video.mp4` → `video-background.mp4` (with audio)
 - Without audio: `video.mp4` → `video-background.mp4` (silent video)
-

2. Custom Filename Suffix

Description

Users can now customize the suffix that gets appended to output filenames instead of using the default `-background` suffix. This allows for:

- Better organization of processed files
- Meaningful naming conventions for different processing types
- Easier identification of processed files in large batches

Location in GUI

Found in the **Output Settings** section, above the audio handling checkbox.

How to Use

- **Field Label:** "Filename suffix:"
- **Default Value:** `-background`
- **Input Type:** Text field
- **Example Values:**
 - `-background` (default)
 - `-blurred`
 - `-processed`
 - `-censored`
 - `-privacy`
 - Any custom text you prefer!

Technical Details

- The suffix is appended before the file extension
- Works for both images and videos
- Works for both single file and batch folder processing
- Supports all special characters that are valid in filenames
- The suffix is remembered during the session

Example Outputs

Original File	Custom Suffix	Output File
photo.jpg	<code>-background</code>	photo-background.jpg
photo.jpg	<code>-blurred</code>	photo-blurred.jpg
video.mp4	<code>-processed</code>	video-processed.mp4
image.png	<code>-privacy</code>	image-privacy.png
IMG_1234.HEIC	<code>-censored</code>	IMG_1234-censored.jpg

GUI Layout

The new **Output Settings** section appears after the **Advanced Settings** section and contains:

Output Settings

Filename suffix: [_____]
(e.g., '-background', '-blurred', etc.)

☒ Keep audio in output videos (requires ffmpeg)
(Uncheck to remove audio from videos)

Code Changes Summary

Files Modified

1. `gui_enhanced.py`

- Added two new GUI variables: `keep_audio` and `filename_suffix`
- Created new “Output Settings” section with:
 - Text entry field for custom filename suffix
 - Checkbox for audio handling
- Updated processor initialization to pass new parameters
- Updated output path generation to use custom suffix
- Updated help documentation to explain new features
- Updated batch processing completion message to show custom suffix

2. `blur_humans.py`

- Updated `HumanBlurProcessor.__init__()` to accept:
 - `filename_suffix` parameter (default: `-background`)
 - `keep_audio` parameter (default: `True`)
- Modified `process_image()` to use custom filename suffix
- Modified `process_video()` to:
 - Use custom filename suffix
 - Respect the `keep_audio` setting
 - Display appropriate messages based on audio handling choice

Usage Examples

Example 1: Keep Audio with Custom Suffix

1. Select a video file
2. Set filename suffix to: `-privacy`
3. Keep audio checkbox: **Checked**
4. Process the video

5. Result: `video-privacy.mp4` (with audio)

Example 2: Remove Audio with Custom Suffix

1. Select a video file
2. Set filename suffix to: `-silent`
3. Keep audio checkbox: **Unchecked**
4. Process the video
5. Result: `video-silent.mp4` (without audio)

Example 3: Batch Processing with Custom Settings

1. Select a folder containing multiple videos
2. Set filename suffix to: `-blurred`
3. Keep audio checkbox: **Checked**
4. Click "Process Media"
5. Result: All videos processed with `-blurred` suffix and audio preserved

Benefits

For Users

- **More Control:** Fine-tune output files to match specific needs
- **Better Organization:** Use meaningful suffixes for different processing batches
- **Privacy Options:** Remove audio when needed for sensitive content
- **Flexibility:** Works seamlessly with all existing features

For Workflows

- **Professional Use:** Create standardized naming conventions
- **Batch Processing:** Process large folders with consistent settings
- **Storage Management:** Remove audio to save disk space when not needed
- **Quality Assurance:** Easily identify which processing settings were used

Backward Compatibility

All changes are backward compatible:

- Default suffix is still `-background`
- Audio is kept by default (existing behavior)
- All existing features work unchanged
- CLI tool maintains original functionality

Requirements

- **Audio Handling:** Requires ffmpeg to be installed for audio preservation
- Install on Linux: `sudo apt-get install ffmpeg`
- Install on Mac: `brew install ffmpeg`

- Install on Windows: Download from ffmpeg.org (<https://ffmpeg.org/>)

Future Enhancements

Possible future improvements:

- Save custom suffix preferences between sessions
- Preset suffix templates
- Audio format options (MP3, AAC, etc.)
- Audio quality settings
- Output directory selection

Support

For questions or issues, contact: apps@globalemancipation.ngo

Version: 3.0 (Enhanced with Audio Handling and Custom Filename Suffix)

Date: November 19, 2025