

Preparation

1. Source Download

Source Files (different ProRes formats
or raw PNGs)

2. Source Preparation

AVC Sequence Previews

3. Preview Encoding

ProRes 422@10bit with UHD-1 Resolution

Bitrate Estimation

4. Encode VMAF References

Lossless 50fps reference files

5. Encode VMAF Sequences

CBR HEVC Encodings at varying bitrates

6. Calculate VMAF

JSON files with VMAF scores

7. Aggregate VMAF

CSV with statistics

Final Encoding

8. Preset Encoding

Bitrate Selection

encoded HEVC in mkv containers

9. Lossless Encoding

Lossless output