

The new solution for video RAW data denoising.



IRIS.RAW

Wavelet Beam proudly presents IRIS.RAW, the new solution for video RAW data denoising.

Modern digital cameras are mostly single chip cameras, which are using a bayern pattern for capturing light. This means that for each pixel only one color channel is available for digitalization. Latest in postproduction the two missing colors have to be interpolated for each pixel (de-bayering). Every camera signal also has noise levels, which are producing inaccuracies in the de-bayering process. Removing and decreasing the noise levels before de-bayering will provide a much higher video resolution and HDR performance. IRIS.RAW perfectly fits into

high-resolution workflows, where conventional postprocessing tools are not able to denoise the video footage in realtime. Video denoising needs a lot of CPU/GPU performance and video memory. To move this cleaning step out of the postprocessing will give you the freedom to grade your 4/6/8/12K video content again in realtime with all the benefits of a higher dynamic range, higher resolution and better video streaming performance. IRIS.RAW is based on Wavelet Beam's successor GRAIN & NOISE REDUCER.

<https://waveletbeam.com/index.php/iris>

Any video in any resolution and bandwidth in the best possible quality



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IRIS.RAW FEATURES

Our products IRIS and IRIS.RAW are high-fidelity video denoising applications, which are GPU accelerated and one of the fastest on the market. Currently we are supporting a DNG-to-DNG workflow, which enhances the image quality and saves storage costs. The DNG sequence can directly be used in Post Production tools. Additionally, we are offering an IRIS.RAW SDK. Lossy RAW formats also can benefit from our RAW noise processing solution.

- DNG-to-DNG processing
- Other RAW input formats on request
- Direct2GPU
- GPU high speed processing using NVIDIA CUDA technology
- IRIS.RAW SDK on request
- OS: Ubuntu 20.04
- Full screen 10bit preview window
- RAW video noise management leads to an enhanced
 - Video resolution
 - HDR performance
 - Streaming performance

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