

# 2KSDI RAW Mode

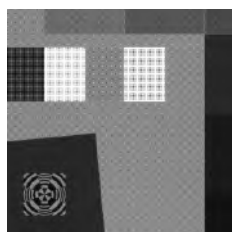
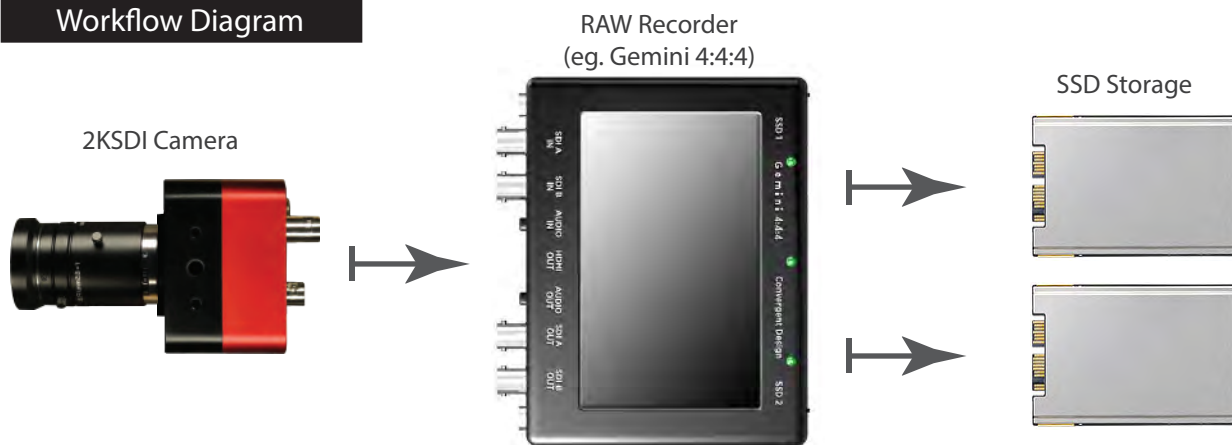


Using the RAW feature of the 2KSDI camera allows for more flexibility and leads to higher image quality in your post workflow. Using a high-powered CPU to process the RAW video makes it possible for the use of higher performing debayer, sharpening, gamma, and color processing filters.

This feature saves storage space, as the DVR only needs to store the monochrome frames and not the full color images. Savings to power consumption may also be attributed, as high-powered image processing is not needed on-camera, on-DVR, or even on-site.

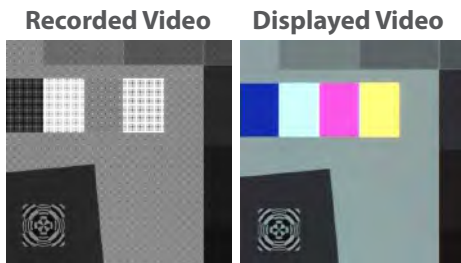
Please see the 2KSDI manual about how to set the camera into RAW mode. Also be sure to check with your DVR manufacturer to be sure that they have support for this feature.

## Workflow Diagram



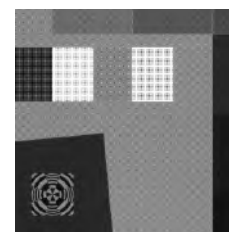
### Exposure

- 2KSDI camera exposes images with bayer pattern
- Camera head adjusts for minor sensor defects, and outputs untouched monochrome bayer video



### Acquisition

- The DVR acquires RAW images and stores them onto SSDs
- As a preview the DVR performs a simple de-bayering to give a color image



### Stored Images

- RAW images are available on SSDs with original bayer data taken directly from the camera
- De-bayering can now be done by more complex, CPU intensive, software-based filters

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