

Photron

MONTHLY TECH TIPS WITH MIKE

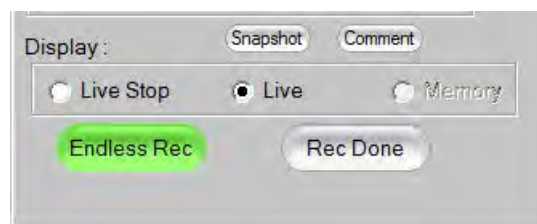
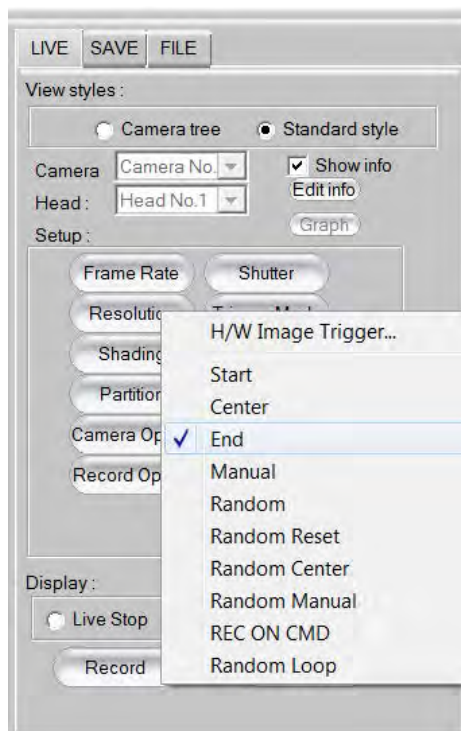


Topic: Operating your camera at optimal temperature

When preparing to take images with a Photron camera it is always a good idea to let the camera warm up to optimal temperatures before recording a video. Initial Photron camera calibrations during camera production are always performed when the camera is warmed up. Warming up the camera will ensure the best image quality and light sensitivity for your recordings.

1) Power on camera and open up PFV software

To get the camera to warm up in the quickest way possible, open up the PFV software, change the trigger mode to "End" and start the camera in an endless recording mode. Allow the camera to endlessly record for a few minutes; for newer cameras (Mini series and SA-Z) the fan will start spinning when the camera has been adequately warmed up.



2) Perform a shading calibration before starting your video

Once the camera has been running in endless record for a few minutes the image will show some noise and banding. Perform a shading calibration and the image will return to normal; the camera is now ready to start recording. Pictured below is a Photron SA-Z's live image; the image on the left has been running for a few minutes in endless record and the image on the right is the same image just after a calibration.

It is completely acceptable to record while the camera is warming up; simply perform a shading calibration just before recording.



We hope this tech tip was helpful and if you have any questions or comments please contact us:

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