Trigger Reset Function

HX and ACS cameras are equipped with a trigger reset function to align the phases of the trigger signal and the exposure start timing when shooting with the internal clock.
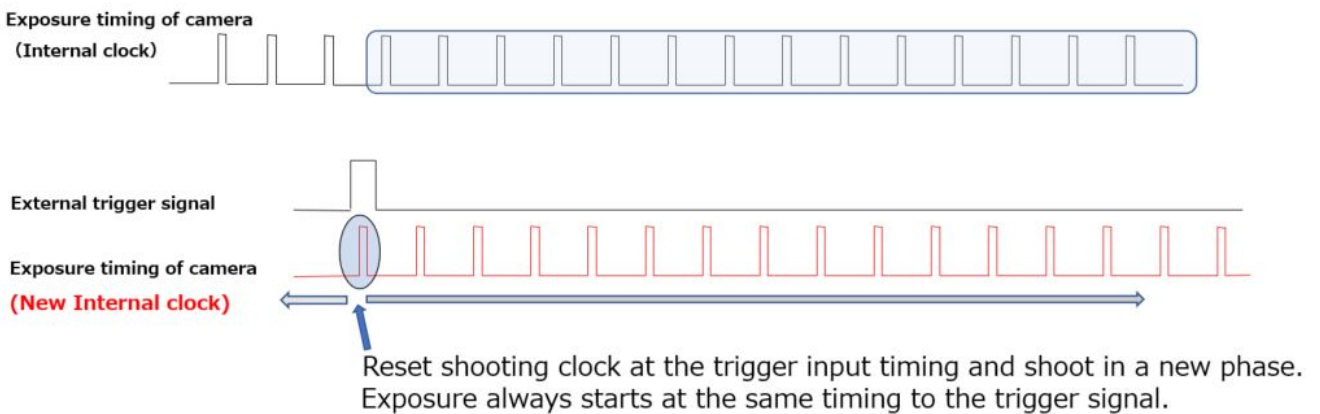
The camera starts recording at a set frame rate and internal clock during ARM mode.

When a trigger signal is input to the camera, the exposure clock is reset at the signal input timing and a new internal clock is generated from the input timing.

So, images recorded after the trigger input are always taken at the same exposure start timing for the trigger signal.

When using trigger reset function, the first frame recorded after the trigger input becomes the trigger frame (frame 0).

As a careful point, when using trigger reset function, we cannot use end trigger. Also, when using the center trigger or custom trigger, the image before the trigger input and after the trigger input are in different phases of shooting timing. The image exposed before the trigger input will be reset during the readout process, and it results in a broken image.

Reset shooting clock at the trigger input timing and shoot in a new phase.
Exposure always starts at the same timing to the trigger signal.

Note: The phase of the shooting clock changes before and after the trigger input.
The image before the trigger input is broken.