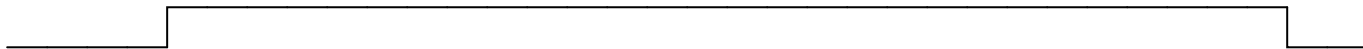High speed single-molecule imaging with ROI

Shutter TTL
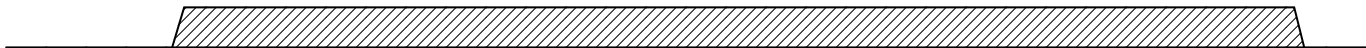
Ts   Exposure   Ts

Laser light
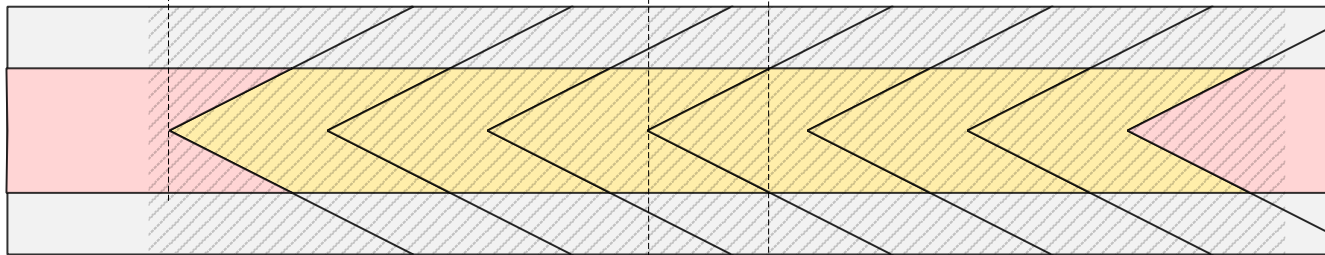
Camera
Sync readout trigger
Trigger ready

0H

1023H
1024H

1H = 9.74436 µs

2047H

Sync readout external trigger camera mode with ROI

Sensor readout time Tr