Full Frame CCD Timing

Example: U6 with bin 1:1, 50mS exposure, full frame readout, 16 bits

Continuous Flushing | Exposure | Delay * | Digitization/Display *** | Continuous Flushing **

50mS | 130mS | 1.2 Seconds

Expose Setup
8.4mS
If Triggered, 0mS
delay

Note Mechanical
Shutter delays

Digital Expose Signal

Shutter Opening

Shutter Closing

10mS | 10mS
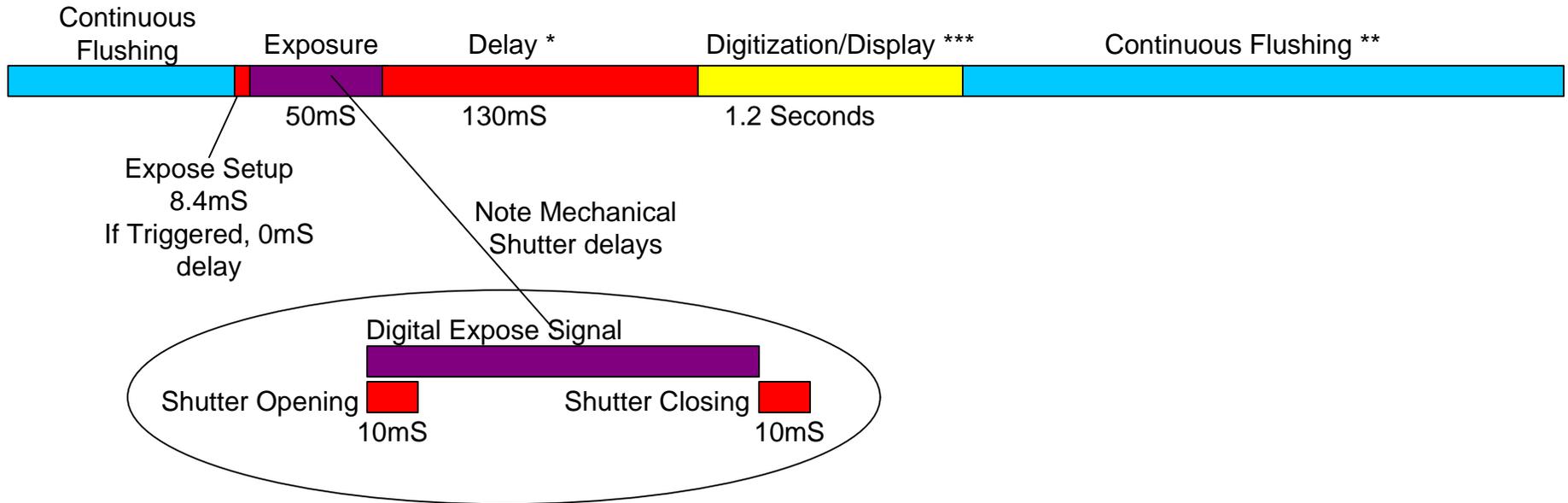
* Programmed Delay is set by camera type and varies. For those users without a shutter or not desiring this delay, it can be reduced via dll.

** Flushing is defaulted to 1:1 binning, thus taking as long to flush as to read out. This value is programmable and can be flushed at higher vertical binnings for greater flush speed.

*** Digitization time is highly dependant on CCD type, binning, A/D speed and ROI