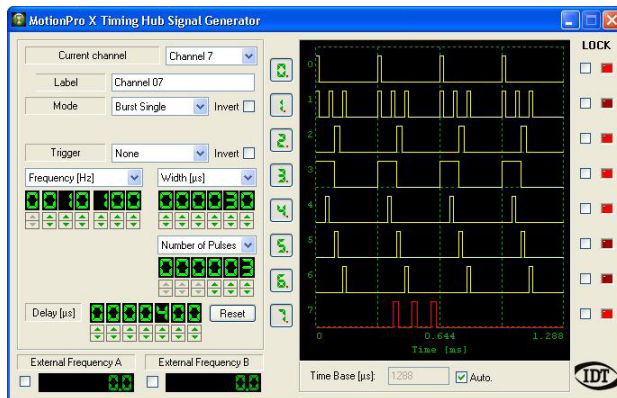




# Synchronizers



The MotionPro X Timing Hub provides 8 independent synchronization signals, with 20 nanosecond resolution, to integrate different devices such as cameras with illumination. The CMOS level pulses are configured to operate in trigger, gate or burst mode. Each output can be clocked independently using an internally or externally generated source. The system features two independent inputs for clock/trigger signals and provides continuous monitoring of their frequency and phase.

### Key Benefits

- Footprint of a laptop.
- Power supplied via USB 2.0 Connection.

### External triggering and synchronization.

- Dual trigger/gate sources.
- Dual clock sources.

### Accuracy and stability

- Maximum jitter <20 nsec.

### Flexibility

- 5 Operating modes ( continuous, gated, triggered, re-triggered, rate change).
- Up to 100 KHz triggering capability of 8 independent channels.
- Independent adjustment of frequency and phase of 8 output channels.

