

IXplorē Real-Time Controller

FAST TRIGGERING FOR PRECISION EXPERIMENTS

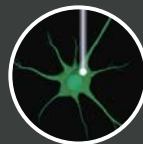
Our real-time controller (RTC) is designed for precise automation of high-speed imaging experiments. It is accurate up to 100 μ s with 2 μ s precision and delivers superb hardware control and synchronization. Fully integrated in cellSens™ imaging software, the controller offers ample transistor-transistor logic, digital input and output, and analog out ports dedicated for fast and easy generic control of peripheral components.



Benefits for live-cell imaging experiments

- High reproducibility
- Higher quantification reliability
- Reduced photobleaching
- Less phototoxicity and longer cell viability

Applications



- Colocalization experiments
- FRET measurements
- Tracking and kinetics
- Ratio imaging
- FRAP and photoactivation