

T-lab ST10 / T40

T-lab Streak Cameras

A streak-camera assembly for recording optical intensity against time and position. The ST10 supports triggered and high-frequency scanning; the T40 provides a longer slit for triggered measurements.

Best suited to: Ultrafast fluorescence, semiconductor photoluminescence and plasma diagnostics.



Configuration

Choose the sweep window and spectral-image length together. Tube resolution describes the streak tube; spectrograph coupling, slit width and timing determine the resolution of the complete experiment.

Specifications

Published parameters	
Photocathode response	200–900 nm
ST10 tube resolution, typical	≤2 ps
ST10 cathode slit	8 mm
T40 cathode slit	35 mm
ST10 sweep window	500 ps–10 μs
T40 sweep window	10 ns–1 ms
ST10 scanning	Single shot to 200 MHz
T40 scanning	Single shot to 1 kHz

Measurement features

- Integrated camera and spectrograph software.
- Time-trace extraction and lifetime fitting.
- Fibre-faceplate readout coupling.

Configuration note

T-lab and TIMART are separate camera families with different readout and sweep configurations. Confirm the family and exact model when specifying a spectroscopy system.

Full configuration: www.precisometer.com/spectroscopy/spectral-imaging/t-lab-streak