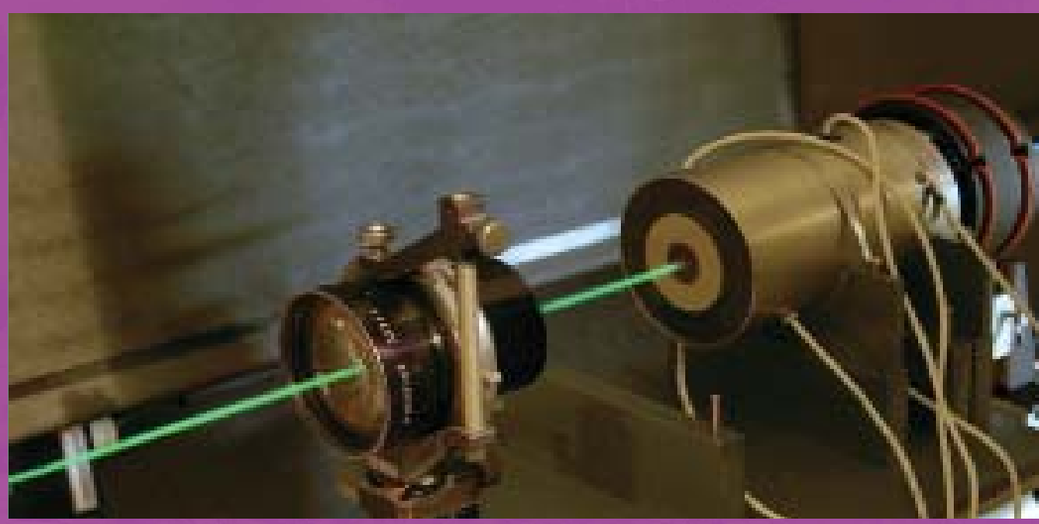
PHOTONIS
Scientific Detectors

Streak Tubes

SUPERIOR HIGH-SPEED ANALYSIS

Picosecond Imaging
across the entire spectrum

Photonis high resolution streak tubes set the standard in image resolution and reliability. With a wide range of spatial and temporal resolutions, Photonis streak tubes support extremely high speed applications with simple connections to common camera equipment.



Features

Photonis Streak tubes are manufactured to the highest quality standards to ensure resolution, timing and sensitivity are optimized. Custom tubes can also be developed specifically for your application.

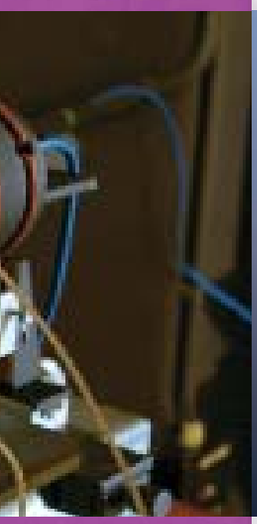
- Rugged Construction
- Low Dynamic Distortion
- Highest Quality Photocathodes
- Stable Spectral Sensitivity, including S1 photocathodes

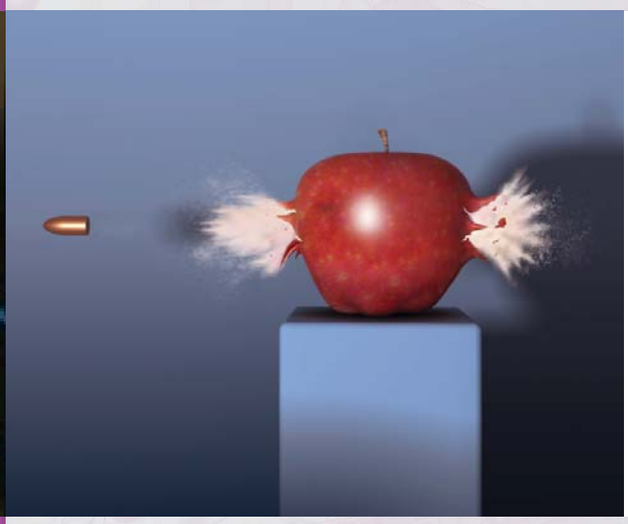
Photonis Streak tubes are applied in streak, framing or synchroscan modes, with a wide range of available photocathodes for detection from low energy X-ray to near infrared.

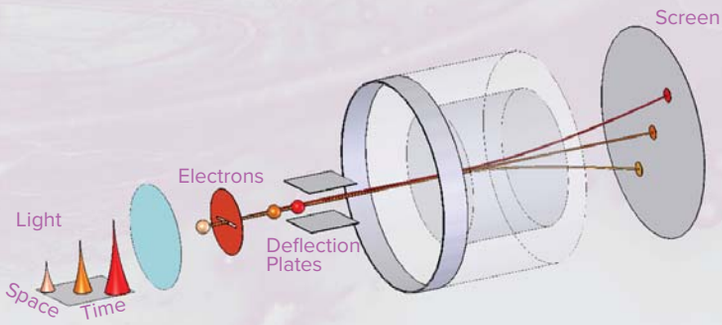
The high sensitivity, low noise photocathodes provide high uniformity, excellent signal-to-noise ratio, and a high shutter ratio, while bilamellar electron optics support femtosecond temporal and extremely high spatial resolution.

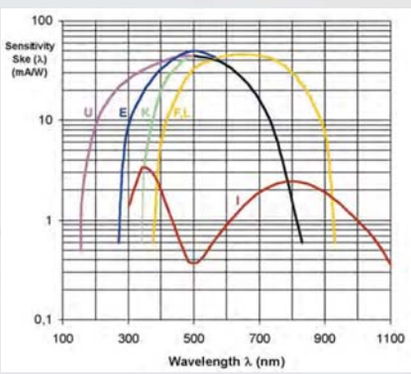
Photonis streak tubes can provide spatial resolution up to 50 lp/mm, temporal resolution to sub-picosecond in streak mode, or exposure times less than 10 ns in framing mode making them a versatile solution to support a wide range of applications.

- **Molecular and Plasma Physics**
- **Detonics and Ballistics**
- **Doppler Laser Interferometry**
- **Biology and Femtochemistry**
- **Fluorescence and Raman Microscopy**
- **Picosecond Laser Measurement**









U - Standard multi-alkali on sapphire window

K - Standard multi-alkali on fiber optic window

L - ERMA on fiber optic window

I - S1 on glass window

F - ERMA on glass window

PHOTONIS
Scientific Detectors

Photonis Technologies S.A.S

Domaine de PELUS
Axis Business Park - Bat E
18 Avenue de Pythagore
33700 Merignac, France

T +33 (0)556 16 40 50
F +33 (0)556 16 40 62
E science@photonis.com
W www.photonis.com

Photonis France SAS

Avenue Roger Roncier
19100 Brive La Gaillarde
France

T +33 (0) 555 86 37 00
F +33 (0) 555 86 37 69
E science@photonis.com
W www.photonis.com

STREAK JAN17

www.photonis.com