

K008S streak & single frame camera



Camera is designed for fast process image registration in near infra-red and visible spectral ranges. Camera allows measurement of spatial-temporal parameters in streak and single-frame modes. Image from streak tube is recorded by CCD camera connected to PC. Software provides full control of camera functions and wide range of analyzing and processing tools for images.

Key features:

- Photocathode spectral sensitivity range of 380..830 nm.
- Sweep duration from 2ns to 600 uS
- **Full control from PC**
- Variety of ways to synchronize with the process under study.
- Optical trig input.
- Software-controlled additional initial delay with 10ns step.
- User-friendly software.
- Metadata saving in image files.
- Exporting images to use in third-party software.
- Exporting brightness profile data in .csv format
- API to use camera with third-party control software is provided, allowing remote control.

Aunion Tech Co.,Ltd

Floor 3, F Building, No. 86 Caobao road, Shanghai 200235 P.R. China

Tel: +86-21-51083793 Fax: +86-21-34241962

E-Mail: info@auniontech.com

Website: www.auniontech.com

Main technical parameters

Photocathode spectral sensitivity range, mm	380-830
Limiting temporal resolution, ps	40
Maximum gain	5000
Sweep duration: Sweep Unit SU-1 (nanosecond), ns Sweep Unit SU-2 (microsecond), us	2-200 0.6-600
Maximum sweep coefficient nonuniformity, %	5
Spatial resolution on the photocathode, l.p/mm Sweep Unit SU-1 (nanosecond) Sweep Unit SU-2 (microsecond)	10 15
Frame size on the photocathode, mm	15.2 x 12.8
Frame duration in single frame mode: Sweep Unit SU-1 (nanosecond), ns Sweep Unit SU-2 (microsecond), us	10-200 0.6-600
Input trigger level adjustment, V	0.3...30
Camera dimensions, mm	280x110x200

Operational Conditions

Temperature	283 - 308 K
Humidity	80 %
Pressure	95 - 105 kPa

Delivery Set

- K008S camera
- Notebook with software
- Certificate with description and maintenance instruction
- Case

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