

Provisional Information

ultima APX I²

FASTCAM

Photron's innovative ultima APX high-speed imaging system now integrated with a high performance gated image intensifier



The Photron FASTCAM ultima APX high-speed imaging system has set new standards for high speed imaging performance.

Now integrated with a 25mm Micro Channel Plate image intensifier fibre-optically coupled to the sensor the system provides the ultimate light sensitivity, exposure durations to 20 nanoseconds and extended spectral sensitivity.

Control and operation of all system functions including intensifier gain and exposure duration is conveniently provided through a handheld control keypad and Photron's standard *FASTCAM Viewer* software package.

The ultima APX I² system comprises camera head with integral image intensifier and power supply module, 5 meter camera cable, processor unit with recording memory, handheld control keypad and system control software.

Users of the FASTCAM ultima APX system can add an image intensified camera head to existing systems.

FEATURES

- Full 1024x1024 pixel image resolution up to 2,000fps, and reduced resolution operation to 120,000fps.
- Light weight and compact camera head with integral image intensifier module.
- Exposure durations controlled through image intensifier gating to 20 nanoseconds.
- Ultra high light sensitivity through 10,000 times image intensifier gain.
- UV Spectral Sensitivity to 200nm.
- Up to 16 multiple exposures per frame.

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