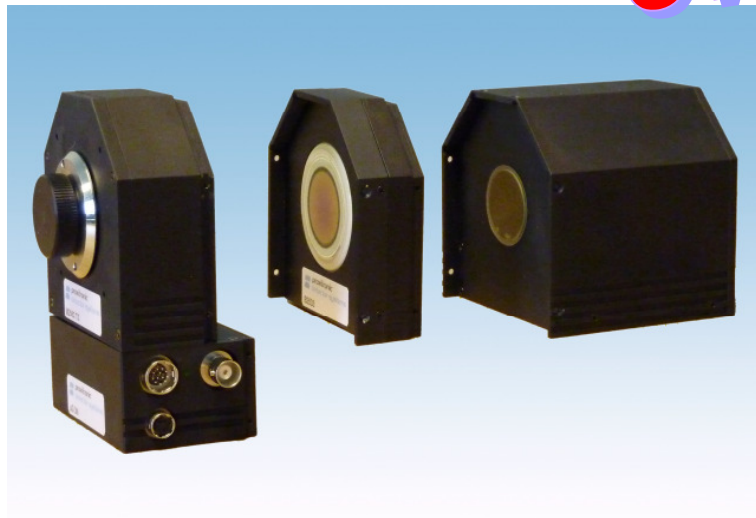


ProxiKit – the Modular Intensified & Gated Camera

Overview



Camera Assembly Kit

Applications

- Low-light microscopy
- Fluorescence analysis
- Dynamic processes
- Combustions analysis
- Plasma reserach

Features

- Modular system
- Grows together with your application
- Convenient handling
- MCP module with UV-Broadband sensitivity
- Booster module
- Camera module with 1.4 Mpix camera
- Gating module down to 3 ns
- High-voltage power supply integrated

Low Light Cameras Special Purpose Cameras	Short Exposure Cameras Pulse Generators	Fiber Optical Coupling Phosphor Coatings	Detector and Camera Upgrades and Customised Prototyping
Solar Blind & Visible Image Intensifiers	UV & X-Ray Cameras Corona Detection Cameras	Customised Facilities & Equipment	Vacuum & Open MCP Detectors

What is the idea behind ProxiKit ?

- ProxiKit is a collection of electro-optical modules forming an intensified and/or gated camera system.
- The modules fit together with respect to mechanical, optical and electrical connections and can be easily assembled, dis-assembled and re-assembled.
- An intensified camera made of ProxiKit modules can be easily extended, upgraded or modified by adding or exchanging components. This can even be done by the skilled end-user.

What are typical applications?

- Observation of low-light processes which cannot be illuminated by extraneous light (e.g. combustion, fluorescence)
- Freezing of ultrafast processes (e.g. explosions, plasmas) or synchronization of laser-excited processes (exposure time down to 3 ns with a maximum repetition rate of 10 kHz)
- Detection of UV sources and weak UV images down to the photon level
- Low-light imaging in the spectral range from UV (200nm) to visible (780nm), even to NIR (850nm) with customised version

What do ProxiKit's "basic modules" consist of?

- MCP image intensifier module with broadband (200nm to 780nm) photocathode (PN: 107700)
- Booster High Brightness Diode Module (PN: 107702)
- Gating Electronics Module 3ns / 100ns / 10 kHz (PN: 107703)
- Digital Control Unit for Gating Electronics Module (PN: 107704)
- Lens coupled camera module with 1.4 MPix, 15 fps, IEEE1394b (PN: 107705)
- Fiber coupled camera module with 1.4 MPix, 15 fps, IEEE1394b (PN: 107706)

Are there additional, customized modules available?

- Yes, image intensifier and camera modules can be manufactured based on the broad product range of ProxiVision's image intensifier and many third-party camera types. Special image intensifiers cover certain spectral ranges, e.g. down to 120nm or up to 850nm. Cameras with different resolution or frame rate are available.

What are the benefits of ProxiKit?

- It is a set of basic modules with an attractive price-performance ratio and short delivery times.
- The electro-optical modules fit together regarding mechanical, optical and electrical connections and allow
 - > to add or remove components just as needed
 - > to handle your modification as a skilled end-user
 - > to enhance the imaging system at low additional costs
 - > to re-use it later for new applications



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