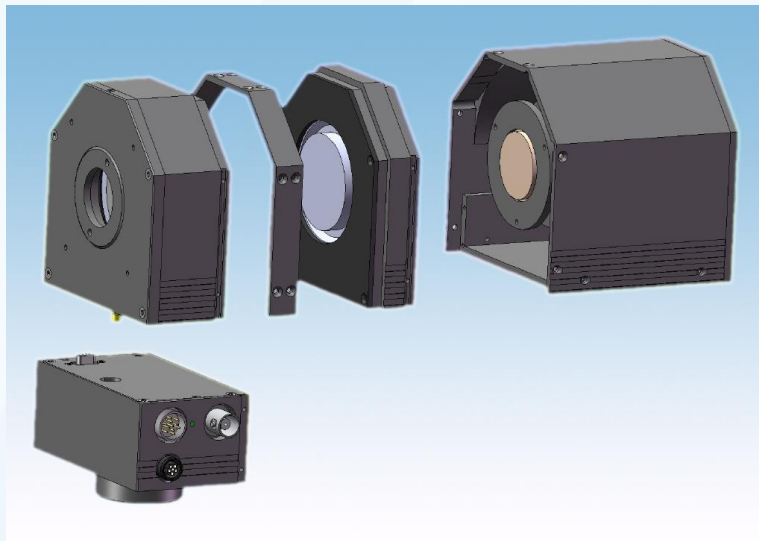


ProxiKit – the Modular Intensified & Gated Camera



Camera Assembly Kit

APPLICATIONS

- ❖ Low-light microscopy
- ❖ Fluorescence analysis
- ❖ Dynamic processes
- ❖ Combustions analysis
- ❖ Plasma research
- ❖ Beam analysis
- ❖ Inspections

FEATURES

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

CONCEPT

- ❖ collection of electro-optical modules
- ❖ fit together concerning mechanical, optical and electrical connections

YOUR BENEFITS

- ❖ add or remove components just as needed
- ❖ stay flexible in each experimental situation
- ❖ re-use it later for new applications
- ❖ enhance the imaging system with reasonable additional costs

BASIC MODULES

MOD M2582 TZ	MCP Image Intensifier Module
Characteristics	sensitivity 200..700nm, one MCP, 25mm active area, high-voltage power-supply integrated, operation voltage 10..15V, gateable, P43 phosphor
Applications	low-light, dynamic processes
Options	double MCP, dedicated photocathodes, e.g. UV, ASB, fast decay phosphors

MOD D2532 TZ	Diode Image Intensifier Module
Characteristics	sensitivity 200..700nm, Gen1 non-inverting, 25mm active area, high-voltage power-supply integrated, operation voltage 10..15V, P43 phosphor
Applications	high-resolution image intensifier with low gain/high output brightness
Options	dedicated photocathodes, e.g. UV, ASB, fast decay phosphors

MOD B2533	Booster High Brightness Diode Module
Characteristics	sensitivity adapted to P43 phosphor, Gen1 non-inverting, 25mm active area, high-voltage power-supply integrated, operation voltage 10..15V
Applications	booster for MOD MCP2582 TZ for applications with high repetition rate and/or high brightness requirements
Options	fast decay phosphors

MOD µG 3N/100N	Gating Electronics Module 3ns / 100ns
Characteristics	photocathode gating -180V/+80V, repetition rate 10kHz, MCP voltage adjustment by 0..5 analog voltage, preset gating times, start by TTL trigger
Applications	dynamic processes

MOD µDCU	Digital Control Unit for Gating Electronics Module µG 3ns / 100ns
Characteristics	Control of gating parameters, MCP gain and screen voltage, menu-driven with display, demo test mode, control of trigger parameters

MOD C285LC	Lens Coupled Camera Module 1.4 MPix
Characteristics	CCD Sony ICX285, 1388x1038, 16 fps, ROI, Binning, Subsampling, lens coupling with 35mm lens, IEEE1394b, optionally GigE

MOD C285FC	Fiber Coupled Camera Module 1.4 MPix
Characteristics	CCD Sony ICX285, 1388x1038, 16 fps, ROI, Binning, Subsampling, fiber coupling with taper 25:11, IEEE1394b, optionally GigE