

HIC-G05 / HIC-G30

HIC G05/G30 Intensified Gated Cameras

A 12-megapixel intensified camera with integrated timing control. G05 provides a fixed 500 ps gate option alongside an adjustable gate; G30 offers adjustable gating from 3 ns to continuous operation.

Best suited to: Time-gated fluorescence and imaging of events that require sub-nanosecond exposure.



Configuration

Specify whether the fixed 500 ps gate is necessary. Keep optical gate duration, trigger jitter and sensor readout speed separate when planning the time resolution and event repetition.

Specifications

Published parameters	
Sensor array	4096 × 3072
Pixel size	3.4 µm
Readout depth	8 / 10 / 12 bit
Cooling temperature	0 °C
Timing step	10 ps
Delay range	0–10 s
Gate synchronisation	Up to 300 kHz
Full-frame rate	6 fps typical at 1 ms exposure

Gate and photocathode options

Model	Gate	Photocathode / response
HIC-G05-UV	Fixed 500 ps plus 3 ns–DC	S20 / 200–800 nm
HIC-G30-UV	3 ns–DC	S20 / 200–800 nm
HIC-G30-VN	3 ns–DC	S25R / 400–900 nm

Measurement features

- 18 mm intensifier with fibre-faceplate coupling.
- Delay stepping and integrate-on-chip modes.
- Gigabit Ethernet acquisition.

Full configuration: www.precisometer.com/spectroscopy/spectral-imaging/hic