

ICCD / SIC-6M Series

ICCD Intensified High-Resolution Cameras

A cooled CCD and fast intensifier assembly for time-resolved imaging or spectral acquisition. Lens or fibre coupling is configured around the required spatial resolution and collection efficiency.

Best suited to: Narrow spectral features, transient emission and high spatial resolution gated measurements.



Configuration

Specify the spectral band, projected slit image and required optical gate. Confirm the delivered sensor configuration because the source introduction and sensor table give different pixel counts.

Specifications

Published parameters	
Minimum gate	≤3 ns
Gate / delay step	10 ps
Gate repetition	Up to 300 kHz
Delay range	0–10 s
Pixel pitch	4.54 μm
Readout noise	5 e ⁻
Dark current	0.02 e ⁻ /pixel/s at -10 °C
Readout	16 bit; USB 2.0
Cooling	35 °C below ambient

Measurement features

- Integrated digital delay generator.
- Full vertical binning and multiple spectral ROIs.
- Gate accumulation and automated delay stepping.

Configuration note

The source states 2750 × 2200 in its overview and 2700 × 2200 in its table. Confirm the active array at quotation. Photocathode selection determines the usable wavelength range.

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