

TWINCAM LS

Dual camera image splitter

DATASHEET

The TwinCam LS enables simultaneous dual emission imaging with unrestricted field of view



The Cairn TwinCam LS enables two cameras to be coupled to the same microscope port with pixel alignment. The base unit can accommodate one of our standard filter cubes allowing light to be distributed on the basis of wavelength, polarisation state or focal depth. Each cube has fine mechanical X-Y adjustment for pixel overlay or deliberate image offset. The input of the instrument has a variable rectangular aperture enabling the use of cropped sensor mode on both detectors. In addition to our standard filter cubes the TwinCam LS includes additional filter holders on each output or the option to add a motorised filter wheel.



APPLICATIONS

- Förster Resonance Energy Transfer (FRET)
- Simultaneous use of two dyes or genetic markers
- Ratiometric imaging
- Polarisation studies
- Simultaneous transmitted light and fluorescence
- Simultaneous high speed and high resolution
- Simultaneous multi Z depth imaging

KEY BENEFITS

- Easy alignment and focussing
- Rapidly interchangeable cubes
- Polarisation rotator and beamsplitter option
- Magnification/demagnification – on request