

MULTICAM

DATASHEET

Multi emission imaging using multiple cameras

The Cairn MultiCam enables two, three or four cameras to be coupled to the same microscope port with pixel alignment.



The base unit can accommodate three 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 all detectors. Each port can be fitted with different magnification optics to accommodate all popular sensor sizes and a wide range of fields of view. As the internal optics are infinity corrected, manual or motorised filter changers can also be fitted to input and output ports.

SUPPORTED BY



APPLICATIONS

- Förster Resonance Energy Transfer
- Simultaneous use of multiple 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

- Choice of magnifications
- Easy alignment and focussing
- Can be expanded to give more ports
- Rapidly interchangeable cubes
- Output ports available - 0.6X, 1X, 1.3X, 1.5X, 2X