



IMAGE SPLITTERS

When time and resolution matter



Image: © Cairn Research

GET MORE OUT OF YOUR SIGNAL

Image splitters are used to divide an image into two or three separate spatially equivalent components which can be displayed side by side on a single camera chip. Fields of application are: FRET, ratiometric calcium, voltage & pH imaging, Total Internal Reflection Fluorescence (TIRF), Single Plane Illumination Microscopy (SPIM), Simultaneous multi-fluorescent probe imaging incl. super-resolution and spinning disk.

FEATURES & BENEFITS

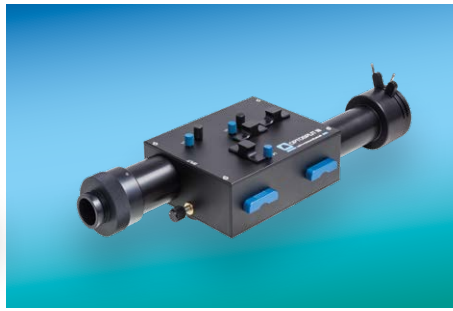
- ✓ Convenient and fast workflow
- ✓ No waste of time and photons
- ✓ Bypass without changing the optical path
- ✓ For sCMOS cameras with large sensors
- ✓ Fits to any standard microscope (C-mount)
- ✓ Easily interchangeable filter holders
- ✓ Image splitter & filter-setup from one source



CAIRN OPTOSPLIT II (BYPASS)

- :: Two way image splitter
- :: 1 or 2 images on a single camera
- :: Supports sensors up to 29.4 mm

ByPass version: Two way image splitter with bypass, supports sensors up to 31.9 mm



CAIRN OPTOSPLIT III

- :: Three way image splitter
- :: 1, 2 or 3 images on a single camera
- :: Supports sensors up to 29.4 mm
- :: Also useable with camera lenses



CAIRN TWINCAM

- :: Multiple camera image splitter
- :: Engineered for super resolution quality
- :: 2 cameras on 1 microscope port
- :: Supports sensors up to 31.9 mm diagonal



CAIRN MULTICAM

- :: Multiple camera image splitter
- :: For super resolution quality
- :: 1, 2, 3 or 4 cameras on 1 microscope port
- :: Supports sensors up to 25 mm diagonal



HAMAMATSU W-VIEW GEMINI

- :: One pair of dual wavelength images onto a single camera
- :: Optimized for sCMOS cameras with sensor formats up to 13 mm x 13 mm
- :: Easy switching between dual emission and bypass mode
- :: C-mount compatibility



HAMAMATSU W-VIEW GEMINI 2

- :: One pair of dual wavelength images onto two cameras
- :: For super resolution quality
- :: Ultra-low distortion (0.05%), high spatial uniformity (98%), high transmission (98 % @ 450 nm to 800 nm)
- :: Easy switching between dual emission and bypass mode
- :: C-mount compatibility



AKRIMA LAMBDA2

- :: Imaging of two channels on one camera chip
- :: Precise and ease to use
- :: Switching between bypass and splitting mode in seconds
- :: Aperture for the camera chip freely adjustable
- :: C-mount compatibility
- :: Holder for polarizing beamsplitter cubes available