

IMAGE SPLITTERS

When time and resolution matter



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

YOUR BENEFITS

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



CAIRN OPTOSPLIT II (& BYPASS)

- :: Dual emission image splitter
- :: 1 or 2 images on a single camera
- :: Focal system optimized for large sensor formats up to 16.6 mm x 14 mm
- :: OptoSplit II Bypass: adds a convenient single lever bypass mode



CAIRN OPTOSPLIT III

- :: Adds an optional second beamsplitter to split the field into either two or three separate, spatially equivalent, channels, which can be displayed side by side on a single camera chip
- :: Can also be used with camera lenses



CAIRN TWINCAM

- :: One image splitter on two cameras
- :: Simultaneous high speed and high resolution imaging
- :: Two channels imaged on two camera chips with full resolution



CAIRN MULTICAM

- :: Engineered for super resolution quality
- :: 1, 2, 3 or 4 cameras on 1 microscope port
- :: Large sCMOS sensor format
- :: Simple and precise controls for image registration



HAMAMATSU W-VIEW GEMINI

- :: Dual emission image splitter
- :: Imaging of two channels on one camera chip
- :: Optimized for sCMOS cameras with sensor formats up to 13 mm x 13 mm
- :: Switch between dual emission mode and bypass mode without reconfiguring the camera