

Integrated Laser-Beam Combiner

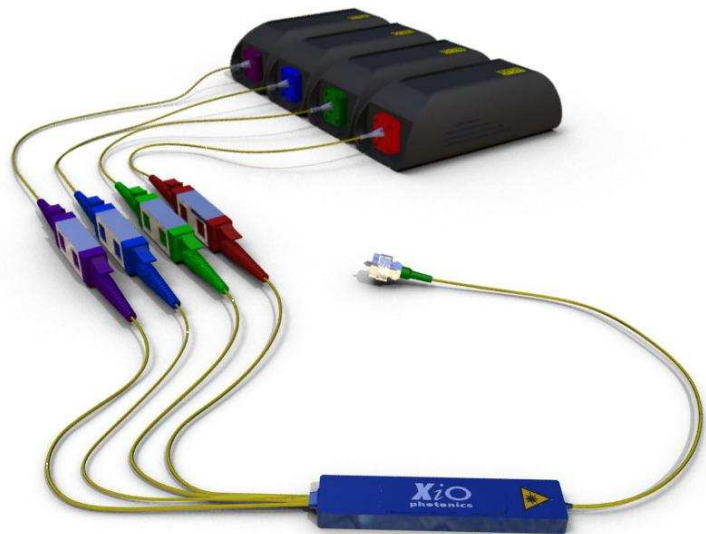
KEY FEATURES

Combines four visible wavelengths

- ✓ Customer specified or
- ✓ Predetermined wavelengths for confocal microscopy

Integrated modular approach

- ✓ Compact form factor
- ✓ "Plug-and-play" through optical-fiber connector technology
- ✓ Maintenance free
- ✓ Easy-to-use, manual operation
- ✓ Independent of laser supplier



OVERVIEW

The Integrated Laser-Beam Combiner provides the user with a compact and easy-to-use system that combines visible wavelength channels into one single-mode fiber. The combiner requires no alignment of optical components and is therefore very stable and maintenance-free. The optical-fiber based connectors allow the beam combiner to be easily plugged to various types of laser sources. The standardized connectors enable the user to choose the laser manufacturer for each wavelength.



APPLICATIONS

The module is optimized to combine 4 wavelengths in the visible range (400 to 700 nm) into a single output fiber. It enables "the plug-and-play" and stable operation of your preferred wavelengths in confocal microscopy for digital imaging using fluorescence.

Application Examples

Confocal Microscopy,
 Fluorescence Microscopy,
 Flow Cytometry, FLIM,
 FRAP, FLIP, FRET.