

Acousto-optic beam splitter



Overview

The AOBS is a single device that uses an optical crystal to provide selective spectral reflection and transmission characteristics, which result from waves induced within the crystal by a mechanical transducer. With its high-efficiency SP detection (five channels simultaneously) and the optional AOBS (Acousto-Optical Beam Splitter), the system. AOBS - The Most Versatile Beam Splitter ® Acousto-Optical Beam Splitter for the TCS SP8 Confocal • High transparency and narrow excitation bands increase cell viability and reduce photobleaching. • The freely programmable AOBS perfectly adapts to challenging multicolor experiments, new laser lines. This article explains the operation and application of acousto-optic modulators (AOMs). After explaining the working principle, it explains key performance aspects such as diffraction efficiency, contrast ratio, switching time, and required RF power, including important trade-offs. Right: the AOBS® is electronically adaptable to all tasks. These beamlets can be switched on and off individually, and the beam.



Article Content

Acousto-Optic Devices Based on Multibeam Diffraction

Abstract The multibeam acousto-optical Bragg diffraction of laser radiation is considered. This is splitting of an initial

Parallel beam splitting and controlling system based on cascaded ...

In this paper, a beam-splitting approach based on cascaded acousto-optic modulators (AOMs) is proposed and analyzed in detail.

Primary Beam Splitting Devices for Confocal Microscopes

An alternative is the acousto-optical beam splitter (AOBS) which has freely tunable reflection notches. On average

02_Leica AOBS

To make the researcher's life easier, Leica has introduced a revolution-ary technology in confocal microscopy, which overcomes all

On-chip electro-optic frequency shifters and beam splitters

Here we demonstrate electro-optic frequency shifters that are controlled using only continuous and single-tone

Acousto-optic Modulators – AOM, Bragg cells,

What Are Acousto-optic Modulators? An acousto-optic modulator (AOM) is a device which can be used for

Acousto-optic Modulators – AOM, Bragg cells, diffraction efficiency ...

What Are Acousto-optic Modulators? An acousto-optic modulator (AOM) is a device which can be used for controlling the transmitted

Acousto-Optical Beam Splitter

Ease of use typically implies a compromise of high performance; the Leica Acousto-optical beam splitter changes the

TCS SP5 II Acousto-Optical Beam Splitter | Products | Leica

With its high-efficiency SP detection (five channels simultaneously) and the optional AOBS (Acousto-Optical Beam Splitter), the

Acousto-optical tunable transmissive grating beam splitter

We present a tunable transmissive grating beam splitter for multiple laser line separation based on acousto-optic interaction in

Contact Us

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