

Price of a portable beam splitter box



Article Overview

Portable beam splitter boxes typically range from \$50 to \$500, depending on type, size, and optical quality.

Price Overview

- Entry-level or small cube beam splitters suitable for basic laser or optical experiments can cost around \$50–\$150 on platforms like eBay or AliExpress .
- High-quality cube or plate beam splitters with precision coatings, anti-reflective surfaces, or specific splitting ratios (50:50, 70:30) are generally priced between \$150–\$500, available from suppliers like Edmund Optics or DigiKey .
- Specialty or polarizing beam splitters designed for scientific or laser instrumentation may exceed \$500, depending on wavelength range, durability, and optical performance .

Factors Affecting Price

- Type of Beam Splitter: Cube, plate, pellicle, or prism designs influence cost. Cube splitters are often more rugged and compact, making them suitable for portable setups .
- Optical Coatings: Anti-reflective or wavelength-specific coatings increase price but improve performance and reduce losses .
- Splitting Ratio: Standard 50:50 splitters are cheaper, while custom ratios or dichroic splitters for wavelength separation are more expensive .
- Size and Mounting: Larger optics or pre-mounted boxes for portability add to the cost .

Article Content

Optical Beamsplitter

A beamsplitter is an optical component used to split a beam of incident light into two parts in a laser or illumination system. Cube

LEICA 10446565 Beamsplitter Surgical Microscope Box

Conclusion: The Leica Beamsplitter 70-30 Surgical Microscope Box (10446565) is a high-quality, versatile, and durable tool that

Beam splitter-AliExpress

A beam splitter is a device that divides a single beam of light into two or more beams, typically by using a partially reflective surface.

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Beamsplitter

Andover Corporation manufactures precision beamsplitters (standard, polarizing, non-polarizing, dichroic, cube, plate) for various

Beam Splitters and Combiners — FindLight

Browse Beam Splitters and Combiners for fiber-optic light transport. Compare specs, vendors, and request quotes directly on FindLight.

Beam Splitters

Beam splitter cubes can be used for simple light beams, and also for beams carrying images, e.g. in various types of cameras and

Beam Splitter Selection Guide

Our beam splitters are made from high grade glass material with laser grade surface flatness & surface quality for tighter tolerance

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Plate Beamsplitters | High quality dielectric coating | N-BK7 substrate

Plate beamsplitters split incident light into two beams of differing wavelengths. Plate beamsplitters have the splitter coating on one

Beam Splitters – optical power splitter, beamsplitter, thin-film ...

Beam splitters are devices for splitting a laser beam into two or more beams. There are different types, including polarizing and non

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42 Beamsplitter Manufacturers in 2026

The company primarily produces optical goods such as Fresnel cylindrical lenses, Fresnel beam splitters, and corner cube retro

Diffraction beam splitter

A diffractive beam splitter can generate either a 1-dimensional beam array (1xN) or a 2-dimensional beam matrix (MxN), depending

Beam Splitter Manufacturers

A Beam Splitter is an optical device that splits a beam of light into two or more beams. The leading manufacturers of Beam Splitters

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What are Beamsplitters?

Beamsplitter Construction | Types of Beamsplitters Beamsplitters are optical components used to split incident light at a designated

Beam Splitter

A beam splitter is defined as an optical device that effects a linear transformation of fields presented at two input ports, producing

Beam Splitters – Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for beam splitters provides technical background, comparison of major types, selection criteria, and an overview of

Optical Beamsplitters | Beamsplitter Selection | Edmund Optics

Light can be split by percentage of overall intensity, wavelength, or polarization state. Edmund Optics offers plate, cube, pellicle,

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Beam Splitter Optical Prism 10/15/20/25/30mm Cube Splitting

Package includes: 1 x beam splitter cube and 1 x cleaning cloth. Made of high-quality optical glass with AR coating, beam splitter

Thorlabs · Optical Beamsplitters

The pellicle and cube beamsplitters can be purchased premounted in cubes that are compatible with our lens tube and cage

Beamsplitters

Beam splitters separate a beam of light by wavelength, power, or polarization into two orthogonal beams. The properties of the

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