

How much does the most expensive beam splitter cost



Article Overview

High-end, custom beam splitters can cost several thousand dollars, with prices often exceeding \$5,000 for specialized applications.

Price Range Overview

Standard commercial beam splitters, such as small dielectric cubes or plates, typically range from \$50 to \$500 depending on size, coating, and substrate material. Bulk or off-the-shelf options may be slightly cheaper, especially when purchased in quantity. However, high-precision, custom, or large-aperture beam splitters designed for demanding applications—such as high-power lasers, interferometry, or ultrafast pulse splitting—can cost \$1,000 to over \$5,000 per unit. Prices increase further for specialized coatings, non-polarizing designs, or materials like ZnSe for infrared applications.

Factors Affecting Cost

- **Type and Geometry:** Cube, plate, pellicle, or prism beam splitters vary in manufacturing complexity. Cubes are easier to mount, while plates and pellicles may require precise alignment and anti-reflection coatings.
- **Coating and Wavelength Range:** Dielectric coatings for specific wavelengths, broadband coatings, or dichroic coatings increase cost. Custom coatings for UV, visible, or IR ranges are particularly expensive.
- **Polarization Properties:** Non-polarizing or polarizing beam splitters require precise control of reflection and transmission ratios, which adds to manufacturing complexi...

Article Content

Jan 16, 2026

What is a Beam Splitter?

Concerning durability and handling, cube beam splitters are often preferred over plates. Non-polarizing Beam Splitter

May 08, 2026

Optical Beam Splitter Guide: Cube, Plate & Polarizing Types

While cube, plate, polarizing, and dichroic beam splitters are the most widely used designs, several specialized beam splitter

Feb 04, 2026

Beam Splitter Selection Guide

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

Jul 13, 2026

Plate Beam Splitters

Plate beam splitters offer a cost-effective solution for beam splitting without the need for complex optical systems. They are also

Aug 09, 2025

What Is a Beam Splitter? Types, Uses, and How It Works

Learn how beam splitters divide light into separate paths, the main types available, and where they're used in optics and scientific

Sep 08, 2025

How to Choose the Best Beam Splitter Plate: A Complete Buying Guide

Learn what to look for in a beam splitter plate, including types, key specs, and expert tips to make an informed

Dec 10, 2025

Beamsplitter

Beamsplitters operate by splitting light based on reflection/transmission (R/T) ratios or specific properties like polarization or

May 24, 2026

Beamsplitters

We understand that high laser damage threshold and beam displacement are important considerations when incorporating a beam

Jun 19, 2026

What are Beamsplitters?

Optical components that create two beams by splitting incident light are beamsplitters. Read more about the different types of

Jun 01, 2026

Buy In Bulk Beam Splitter Price High-Precision Optical Quality ...

Discover beam splitters with competitive pricing, ideal for optical and fiber-optic applications. Explore AR-coated glass and ZnSe

Aug 06, 2025

Photonics 101

Usually, a non-polarizing beam splitter will split the beam on a 50/50 ratio while a polarizing beam splitter tends to

Jan 12, 2026

beam splitter Price & Promotions Jul 2026 | BigGo

Discover the best prices and detailed specifications for beam splitter, with a total of 798 products. Visit BigGo now to find the

Apr 19, 2026

Beam splitter-AliExpress

This article explains what a beam splitter is, how it functions in optical systems, and how to select the right type based on

Jan 22, 2026

Beamsplitters | Optics | DigiKey

Shop DigiKey's large in-stock selection of Beamsplitters. View inventory, pricing and order now for same day shipping!

Sep 11, 2025

A Brief Guide to Beamsplitters

What Is a Beamsplitter? Beamsplitters—also referred to as beam splitters or power splitters—are optical devices designed to split

Jun 12, 2026

Beamsplitters | Optics | DigiKey

Beamsplitters (Beam Splitters) are components that split light at a specified point. These are used in various optic systems including

Jan 03, 2026

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

Feb 23, 2026

Thorlabs · Optical Beamsplitters

Thorlabs offers a wide range of optical beamsplitters. Our plate beamsplitters have a coated front surface that determines the beam

May 06, 2026

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

May 12, 2026

Beam Splitters and Combiners — FindLight

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

Nov 02, 2025

What are Beamsplitters?

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

Aug 26, 2025

How Much Does a Log Splitter Cost? [With Price Range

So, how much does a log splitter cost? Log splitters, on average, cost about \$1,000. The smaller manual

Feb 05, 2026

Beam Splitters: Explained

Beam splitters are a fundamental element in optical systems. Beam splitters are, in essence, optical components used

Sep 03, 2025

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

Nov 06, 2025

Optical Beamsplitters | Beamsplitter Selection | Edmund Optics

Find top-quality Beamsplitters for laser systems & more. Shop a variety of beamsplitters at Edmund Optics for precision light splitting

Jun 01, 2026

High-Quality Beam Splitters for Lasers & Research | PhotonExport

Explore a diverse range of high-quality beam splitters at PhotonExport, designed for precision control of light in lasers, illuminations,

Nov 07, 2025

Optical Beamsplitters Explained | Cube & Polarizing Types

Optical beam splitters are widely used in laser systems, microscopy, interferometry, imaging, and photonics applications. Shanghai

Jul 17, 2026

Beam Splitters

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

Nov 21, 2025

Beam splitter, Beamsplitter

Find your beam splitter easily amongst the 62 products from the leading brands (COHERENT, Rototherm,

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

