

What is the price of an uplink beam splitter



AI Overview

The price of an uplink beam splitter typically ranges from \$20 for basic optical plates to several hundred dollars for high-precision cube or specialized beam splitters.

Price Overview

The cost of a beam splitter depends on type, material, coating, and precision:

- Plate Beam Splitters:** Simple glass plates with partial reflective coatings can cost \$20–\$100, suitable for general optical setups.
- Cube Beam Splitters:** High-quality cube splitters made from precision glass with anti-reflective coatings typically range from \$50–\$300, offering better stability and minimal beam distortion.
- Pellicle or Polka-Dot Beam Splitters:** Ultra-thin or patterned splitters for specialized applications can cost \$100–\$500, depending on fragility, wavelength range, and optical quality.
- Bulk or Industrial Options:** Suppliers like Alibaba offer bulk pricing for AR-coated glass or ZnSe beam splitters, which can reduce per-unit cost but may require minimum order quantities.

Factors Affecting Price

- Wavelength Range:** Splitters designed for UV, visible, or IR light may vary in cost due to coating complexity.
- Splitting Ratio:** Standard 50:50 splitters are cheaper than custom ratios like 70:30 or 80:20.
- Polarization Sensitivity:** Non-polarizing or polarizing splitters for laser systems are more expensive due to precise coatings.
- Durability and Power Handling:** High-power or ruggedized splitters for uplink communication systems cost more than standard lab optics.

Where to Buy

- Edmund Optics:** Offers a wide range of precision beam splitters for laser and optical systems.
- DigiKey:** Provides in-stock beam splitters with immediate shipping and pricing details.
- Alibaba / AliExpress:** Useful for bulk or lower-cost options, including AR-coated and ZnSe splitters.

In summary, for an uplink beam splitter, expect to pay \$50–\$300 for a high-quality cube or plate splitter, with specialized or high-power variants potentially exceeding \$500, depending on your o...

Article Content

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

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

Beamsplitters

Our expert technical staff will guide you through the many options we offer, ranging from custom split ratios, unique materials, and custom coatings to unusually large or small dimensions.

Optical Glass Cube Dichroic Beam Splitter Prism Ratio 50:50

1.Material: Optical Glass 2.Size: 15*15*15mm 3.Splitting Ratio:50:50 4. Application: optical equipment or education, experiment 5. The beam splitter is an optical component used to split the incident light

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 options, 50% reflectivity, 3-year warranty.

Beamsplitter China Trade,Buy China Direct From Beamsplitter

Let matching verified suppliers find you. Buy Beamsplitter China Direct From Beamsplitter Factories at Alibaba . Help Global Buyers Source China Easily.

Cube Beamsplitters — Precision Optics | FindLight

Cube Beam splitters are used to split the light into two separate components and are used in life sciences and laser applications. They consist of a pair of right angled prisms carefully cemented

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 surface of a suitable window material. Our quality range is coated on N

Massive MIMO and Beamforming: The Signal Processing Behind the

Another significant advantage of uplink-based characterization means that all the heavy duty channel estimation and signal processing is done at the base station, and not at the user end. Figure 7. Each

Beam Splitters and Combiners — FindLight

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

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 needs. [Click Here!](#)

2.5G Uplink Ethernet Splitter, 2.5Gb Uplink Port & 4×1000Mbps

2.5G Uplink Ethernet Splitter, 2.5Gb Uplink Port & 4×1000Mbps Ethernet Port, Home Multi-Gigabit Network Hub Switch, Unmanaged Plug & Play, Metal Case, Desktop/Wall-Mount

Beam Splitter Price, 2026 Beam Splitter Price Manufacturers

The Beam Splitter Price is classified under our comprehensive Optical Lens range. A reputable distributor offers a diverse selection, competitive wholesale pricing, and trend insight. Speed and

What Are Optical Beam Splitters?

What Are Optical Beam Splitters? Key Takeaways Beam splitters, essential for applications such as teleprompters and holograms, have different types that play a vital role in splitting light beams, while

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

What are Beam Splitters? A beam splitter (or beamsplitter, power splitter) is an optical device which can split an incident light beam (e.g. a laser beam) into two (or sometimes more) beams, which may or

Power Allocation and Beamforming Design for Uplink Rate-Splitting ...

The joint optimization of beam-forming at the base station (BS) and device power allocation problem for uplink C-RSMA has not been investigated yet, thus motivating the study of this paper.

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 wavelength, material, and application, with examples and troubleshooting tips.

Laser Beamsplitters

Laser beamsplitters are ideal for separating a single laser beam into two separate beams. Learn more about our laser beamsplitters technologies at Edmund Optics.

10G Uplink

10G Uplink Last change on 2023-01-29 • Created on 2023-01-29 • ID: RO-EE586

Introduction We offer a 10G uplink for many of our dedicated servers. This replaces the 1G uplink.

Beam Splitter Selection Guide

Our beam splitters are made from high grade glass material with laser grade surface flatness & surface quality for tighter tolerance on the splitting ratio.

Beam splitter, Beamsplitter

Find your beam splitter easily amongst the 62 products from the leading brands (DAHENG OPTICS, COHERENT, EDMUND, ...) on DirectIndustry, the industry specialist for your professional purchases.

Thorlabs · Optical Beamsplitters

Thorlabs offers a wide range of optical beamsplitters. Our plate beamsplitters have a coated front surface that determines the beam splitting ratio while the back surface is wedged and AR coated in

Beamsplitter Mirror

The coating is applied to low-iron glass to minimize tint, and the anti-reflective coating on the backside eliminates the double reflection seen in regular mirrors. On this page, you'll find pricing through our

Cube Beamsplitters

Cube Beamsplitters are used to split incident light into two separate components. Cube Beamsplitters are durable, easy to mount Beamsplitters that feature equal

Broadband Polarizing Cube Beamsplitters

TECHSPEC® Broadband Polarizing Cube Beamsplitters split randomly polarized light into two orthogonal, linearly polarized components. These beamsplitters offer transmission greater than 90%

Contact Us

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