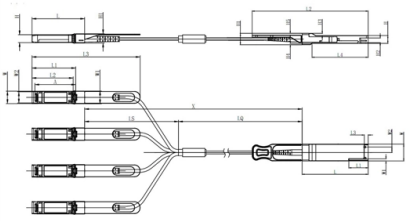
What is the price of a 1 2 beam splitter



Unit mm

QSFP28	L	L1	L2	L3	L4	W	W1	W2	H	H1	H2	H3	H4	H5	H6
Max	72.2	-	128	4.35	61.4	18.45	-	6.2	8.6	12.4	5.35	2.5	1.6	2.0	-
Type	72.0	-	-	4.20	61.2	18.35	-	-	8.5	12.2	5.2	2.3	1.5	1.8	6.55
Min	68.8	16.5	124	4.05	61.0	18.25	2.2	5.8	8.4	12.0	5.05	2.1	1.3	1.6	-

SFP28	L	L1	L2	L3	W	W1	W2	H	H1	A
Max	57.6	47.7	44.55	119.9	13.8	14.0	12.3	8.7	10.3	45.25
Type	57.4	47.5	44.35	117.9	13.55	13.8	12.1	8.5	10.1	45
Min	57.2	47.3	44.15	115.9	13.3	13.6	11.9	8.4	9.9	44.65

Overview

Thorlabs · Optical BeamsplittersThorlabs offers a wide range of optical beamsplitters. Our plate beamsplitters have a coated front surface that determines.

Key Takeaways

The price of a 1: 2 beam splitter typically ranges from $50 to several hundred dollars, depending on type, material, and specifications.

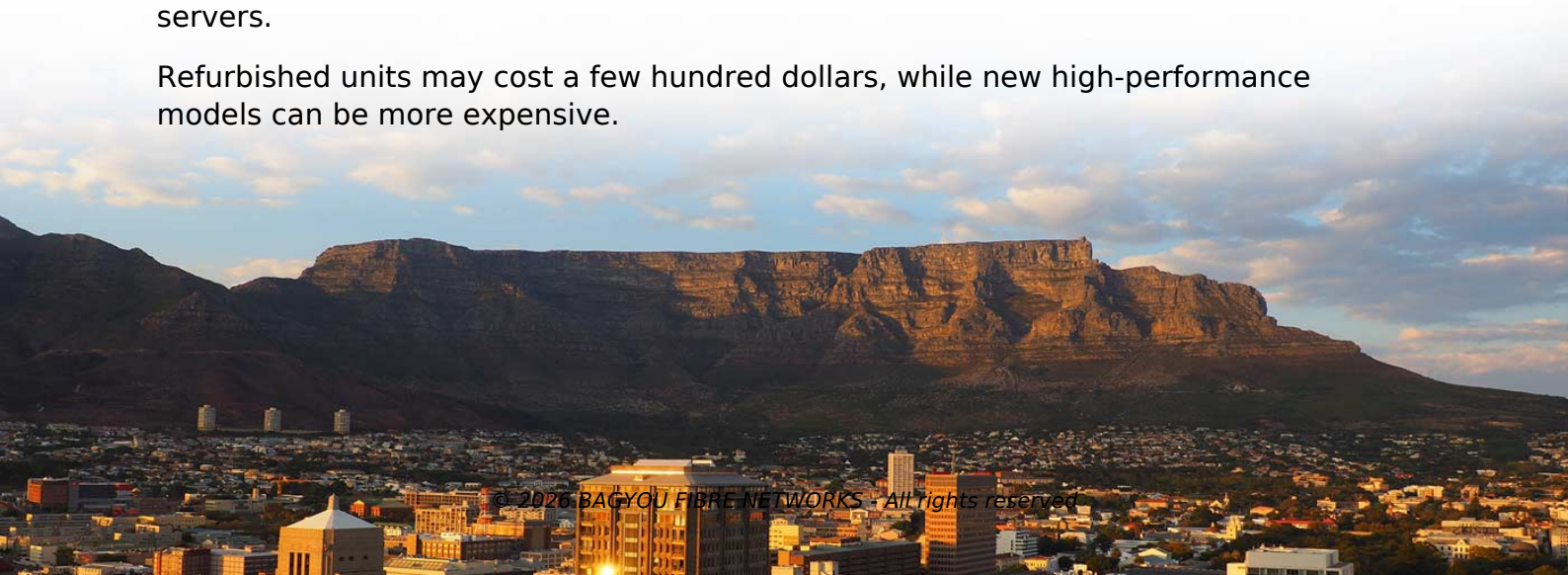
Factors Affecting Price

Type of Beam SplitterPolarizing Beam Splitters (PBS): Split light based on polarization; commonly used in photonics and fiber optic systems. For example, a 1x2 980nm P-grade polarization beam splitter is available from suppliers like Fibermart, with pricing generally starting around $100 for standard models with free shipping.

Non-

Polarizing Beam Splitters: Split light by intensity rather than polarization; used in laser systems and imaging applications. Prices vary depending on coating and substrate quality. Fiber Optic 1: 2 Splitters: Passive fiber splitters, such as the NVIDIA MFP7E20-N007, are used in high-speed data centers to split signals between two servers.

Refurbished units may cost a few hundred dollars, while new high-performance models can be more expensive.



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Geometry and Construction

Cube vs Plate: Cube beam splitters are more robust and easier to mount, often slightly more expensive than plate types. Plate splitters may be cheaper but can introduce beam displacement or ghosting. Pellicle Splitters: Ultra-thin membranes that minimize beam offset and ghosting; typically higher priced due to delicate construction.

Wavelength and Coating

Splitters designed for specific wavelengths (e.g., 980 nm, visible, or IR) or with anti-reflection coatings can significantly affect cost. High-precision coatings for laser applications increase the price.

Additional Features

Connectors, polarization-maintaining fibers, or pre-mounted cubes compatible with lens tube systems can add $50–$200 to the base price.

Typical Price Ranges

Standard plate or cube beam splitters: $50–$150Polarizing beam splitters: $100–$300Fiber optic 1: 2 splitters: $150–$500 (depending on length, connectors, and data rate)Specialty or high-precision splitters: $300+ For exact pricing, it is recommended to check suppliers like Thorlabs, Edmund Optics, Fibermart, or TES IT Solutions for the specific model and configuration you need.

Article Content

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

Optical Beamsplitters | Beamsplitter Selection | Edmund

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

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 | Optics | DigiKey

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

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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

When working with lasers, it is often necessary to split a laser beam into two or more defined partial beams. There are a variety of beam splitters for these applications, with different advantages and

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 beamsplitters consist of a pair of precision right-angle prisms carefully

Beam Splitter Selection Guide

An Optical Beamsplitter is an optic or optical device that is used to split a beam of light in two. Newport offers a wide variety of Beamsplitters in various shapes.

Plate and Laser Beamsplitters | Edmund Optics

Edmund Optics offers a wide variety of Beamsplitters, including Plate Beamsplitters designed for Ultraviolet (UV), Visible, or Infrared (IR) applications. Ultraviolet (UV) Plate Beamsplitters are ideal for

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05BC15PH.13 Cube Beamsplitter

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The 05BC15PH.13 High-energy Polarizing Cube Beamsplitter provides efficient narrowband polarization for use with Nd:YAG lasers. Each polarizer consists of a pair of precision right-angle prisms optically

Thorlabs · FiberBench Polarization Modules

Thorlabs offers several polarization modules that can be used with our FiberBenches. Each module has two dowel pins on its base that precisely align it on a FiberBench. The Rotating Linear Polarizer

Home Page: International Journal of Radiation Oncology, Biology,

CIN City: exploiting genomic chaos to increase radiation response Editor in Chief Dr. Sue Yom co-hosts with Biology Editor Dr. Henning Willers, Associate Professor at Harvard Medical School and Director

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Metaphor

Definition, Usage and a list of Metaphor Examples. Metaphor is a figure of speech which makes an implicit, implied or hidden comparison between two things

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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