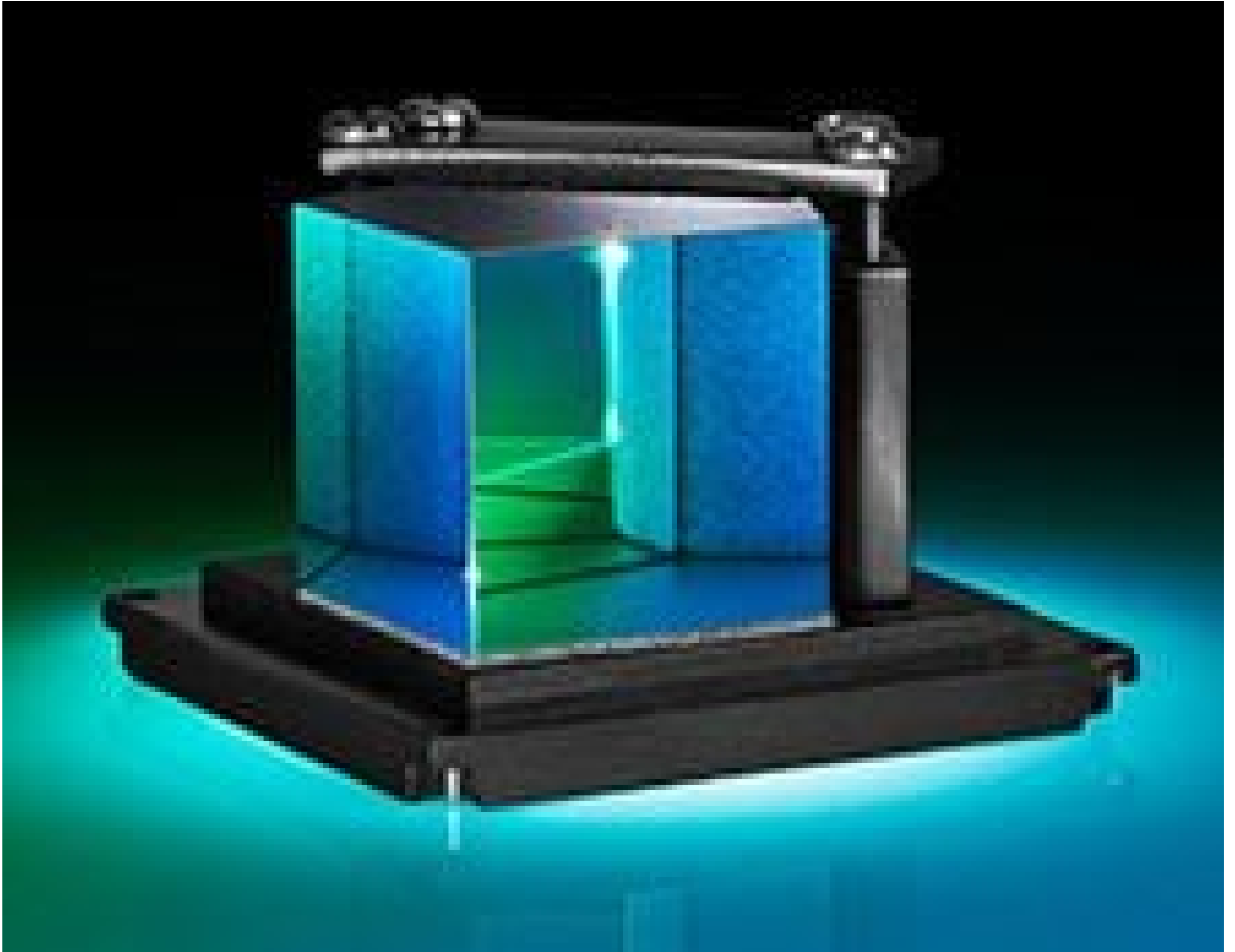
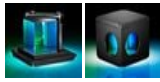


TECHSPEC® Penta Prism in C-Mount Cube



#53-401, Penta Prism in C-Mount Cube (Case Removed)



Stock **#53-401** [CONTACT US](#)

⊖ 1 ⊕ **\$583⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-4	\$583.80 each
Qty 5-9	\$515.20 each
Qty 10-25	\$474.18 each
Need More?	Request Quote

Product Downloads

General

Penta Prism **Type:**

Physical & Mechanical Properties

38.0 **Extension Length (mm):**

Dimensional Tolerance (mm):	±0.10
Bevel:	Protective as needed
Construction:	Housing: Black Anodized Aluminum
Length of Legs (mm):	25.00

Optical Properties

Coating:	MgF ₂ & Aluminized
Substrate: <input type="checkbox"/>	N-BK7
Surface Quality:	60-40
Angle Tolerance (arcmin):	3
Image Orientation:	Right-Handed
Coating Specification:	Entrance/Exit Faces: R _{avg} ≤ 1.75% @ 400 - 700nm Reflecting Surfaces: R _{avg} > 85% @ 400 - 700nm w/Black Overpaint
Ray Deviation (°):	90
Wavelength Range (nm):	400 - 700
Power (fringes) @ 632.8nm:	3.00
Irregularity (fringes) @ 632.8nm:	0.25

Threading & Mounting

Mounting Threads:	1/4-20
Thread Type:	C-Mount (1" x 32 TPI)

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 251:	Compliant

Product Details

- Ray Deviation of 90°
- Right Handed Image
- Ideal for Visual/ Video Applications
- Easily Integrates with Our [C-Mount Components](#)

Designed for use with C-mount compatible hardware, our TECHSPEC® C-Mounted Penta Prism is quickly and easily integrated. A [TECHSPEC® N-BK7 Penta Prism](#) is fixed securely within a black anodized aluminum housing with two female C-mount apertures. Applications include space-restricted visual/video imaging systems requiring ray deviation of 90°. Entrance and exit faces (at the apertures) are anti-reflection coated to maximize efficiency and reduce the effect of double-images. A 1/4-20 tapped hole in the base permits post mounting.

Penta prisms are five-sided prisms featuring a ray deviation of 90° and a right handed image. The reflecting surfaces are aluminized for increased efficiency. Slight movement of the prism does not affect the true right angle at which light rays are reflected, making a penta prism the ideal optical tool for defining a right angle in an optical system.

Technical Information

