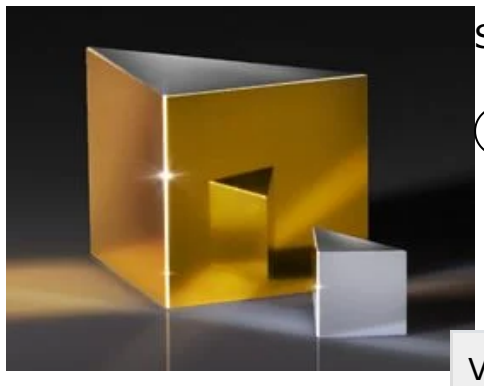
TECHSPEC®

20mm, Protected Gold, N-BK7 Right Angle Prism Mirror (Leg Coated)



Stock #65-849 1 In Stock

- 1 + C$266.00

ADD TO CART

Volume Pricing	
Qty 1-5	C$266.00 each
Qty 6-25	C$212.80 each
Qty 26-49	C$200.20 each
Need More?	Request Quote

Product Downloads

STEP:step | Curve:pdf | PDF Drawing:pdf | IGES:igs | eDrawing:eprt | EO Spec Sheet | Download All

General

Type:	Right Angle Mirror

Physical & Mechanical Properties

Clear Aperture CA (mm):	19.4	**Dimensional Tolerance (mm):**	±0.1
Bevel:	Protective as needed	**Clear Aperture (%):**	90.00
Length of Hypotenuse (mm):	28.30	**Length of Legs (mm):**	20.00

Optical Properties

Coating:	Protected Gold (700-10000nm)	**Substrate:** ⓘ	N-BK7
Surface Quality:	40-20	**Angle Tolerance (arcmin):**	±2
Coating Specification:	R_{avg} >96% @ 700 - 2000nm R_{avg} >96% @ 2000 - 10,000nm	**Wavelength Range (nm):**	700 - 10000
Coating Type:	Metal	**Damage Threshold, Reference:** ⓘ	0.8 J/cm^2 @ 1064nm, 10ns
Power (fringes) @ 632.8nm:	1.25	**Irregularity (fringes) @ 632.8nm:**	0.50

Regulatory Compliance

RoHS 2015:	**Compliant**	**Certificate of Conformance:**	**View**
Reach 247:	**Compliant**		

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our **custom manufacturing capabilities** or submit an inquiry **here.**

Product Details

- Splits Input Image Into Two Paths Separated by 180°
- Variety of Sizes and Broadband Coatings Available
- Additional **Right Angle Prism** Options Available

TECHSPEC® Right Angle Prism Mirrors (Leg Coated) are constructed from right angle prisms with a mirror coating on the two legs and an uncoated hypotenuse. The mirrored surfaces form a precise 90° angle, ideal for splitting an image from a single imaging lens onto two different cameras, or for combining two images onto a single camera.

Technical Information

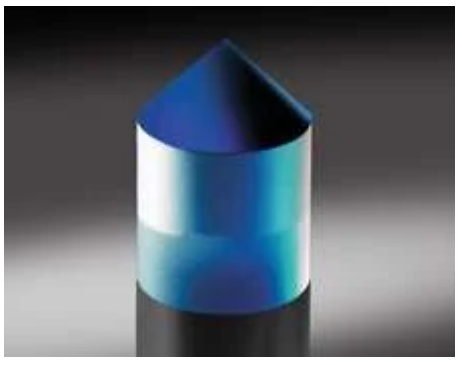
Stock No.	Coating	A	B	C
#49-412	Enhanced Aluminum (450-650nm)	5mm	7.1mm	5mm
#65-847	Protected Gold (700-10000nm)			
#21-185	Protected Silver (450-10000nm)			
#47-004	Enhanced Aluminum (450-650nm)	10mm	14.1mm	10mm
#47-237	Protected Gold (700-10000nm)			
#21-186	Protected Silver (450-10000nm)			
#49-413	Enhanced Aluminum (450-650nm)	15mm	21.2mm	15mm
#65-848	Protected Gold (700-10000nm)			
#21-187	Protected Silver (450-10000nm)			
#49-414	Enhanced Aluminum (450-650nm)	20mm	28.3mm	20mm
#65-849	Protected Gold (700-10000nm)			
#21-188	Protected Silver (450-10000nm)			
#47-005	Enhanced Aluminum (450-650nm)	25mm	35.4mm	25mm
#47-238	Protected Gold (700-10000nm)			

#21-189	Protected Silver (450-10000nm)			
#47-006	Enhanced Aluminum (450-650nm)	50mm	70.7mm	50mm
#47-239	Protected Gold (700-10000nm)			
#21-190	Protected Silver (450-10000nm)			
#47-309	Enhanced Aluminum (450-650nm)	75mm	106.1mm	75mm
#47-310	Protected Gold (700-10000nm)			
#21-191	Protected Silver (450-10000nm)			

Related Products

Right Angle Prisms

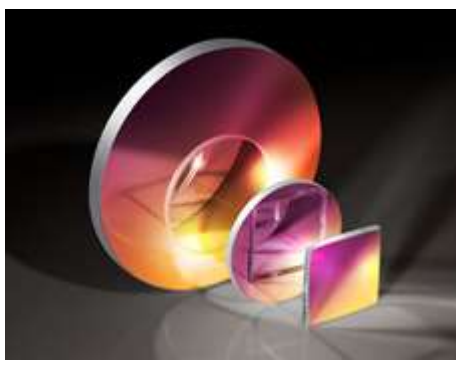
Knife-Edge Pickoff Mirrors



Cone Mirrors

Benchtop Optical Mounts

Frequently Purchased Together



#31-004 - 9 x 9mm, 4-6λ Mirror
C$26.60
Qty

#32-545 - 15mm, Uncoated, High Tolerance N-BK7 Right Angle Prism
C$135.10
Qty

#33-503 - 1.0" Angle Mirror Mount
C$120.40
Qty

#03-618 - 5mm Spacer to convert CS-Mount Cameras to C-Mount
C$40.60
Qty

Resources

Media Type

- Application Note
- Video
- FAQ
- Glossary

CASE STUDIES
Laser Optics for Eye Surgery

TRENDING IN OPTICS
Increasing Challenges for Sourcing Laser Optics...

CASE STUDIES
Using IR Spectroscopy for Counterfeit Drug Detection

APPLICATION NOTE

Metallic Mirror Coatings

VIDEO

Optical Mirrors Review

? FAQ

What is the difference between a first-surface...

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