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255mm, 1030-1080nm JENar™ F-Theta Scanning Lens

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Stock **#16-772** **5 In Stock**

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1

+

A\$2,283⁰⁰

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Product Downloads

General	
017700-017-26	Model Number:
JENar F-Theta	Type:
#17-684: One Included	Protective Window:
Jenoptik	Manufacturer:
Physical & Mechanical Properties	

119.8 +0/-0.2	Maximum Diameter (mm):
1400	Weight (g):
336	Flange Distance (mm):
20	Input Beam Diameter, 1/e ² (mm):

65.3	Maximum Length (mm):
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Optical Properties

255.00	Focal Length FL (mm):
53.2	Scan Angle (°):

169 x 169	Scan Field (mm):
F-Theta Only: 14.3 With Scanner: 15	Telecentricity (°):

291	Working Distance (mm):
1030 - 1080	Wavelength Range (nm):

5.0 J/cm ² * (τ/[ns]) ^{0.30} 5.0 MW/cm ²	Damage Threshold, By Design: ☐
239	Scan Field Diameter (mm):

24	Focus Size Diameter, 1/e ² (μm):
3670	GDD Specification (fs ²):

5.0 J/cm ² * (τ/[ns]) ^{0.30}	Damage Threshold, Pulsed:
5.0 MW/cm ²	Damage Threshold, CW:

Threading & Mounting

M85 x 1	Mounting Threads:
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Regulatory Compliance

View	Certificate of Conformance:
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Product Details

- Ideal for High-Precision Material Processing and Laser Scanning Applications
- Large Scan Fields Up to 320mm x 320mm
- Wide Range of Focal Lengths from 108mm - 330mm
- [Jenoptik JENar™ Silverline™ F-Theta Scanning Lenses](#) Also Available

Jenoptik JENar™ F-Theta Scanning Lenses are designed to provide flat field at the image plane of scanning systems and are used in conjunction with [galvanometers](#), [beam expanders](#), and [laser sources](#). These F-Theta lenses feature a wide range of focal lengths and large scan fields. Optimized for common Nd:YAG, Yb:doped, and fiber laser sources, these lenses are available in wavelength ranges of 355nm, 515-540nm, and 1030-1080nm. With their patented stackable mounting technology, these lenses compensate for thermal stresses and improve the stability of the optical components, ensuring high-precision adjustment and position control in OEM systems. Jenoptik JENar™ F-Theta Scanning Lenses are ideal for high-precision laser material processing and laser scanning applications.

[Contact us](#) if your application requires Jenoptik JENar™ F-Theta Scanning Lenses or [Jenoptik JENar™ Silverline™ F-Theta Scanning Lenses](#) not shown on our website.