

108mm, 515-540nm JENar™ F-Theta Scanning Lens

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Stock **#17-023** 4 In Stock

-

1

+

£2,200⁰⁰

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Product Downloads

General	
017700-203-26	Model Number:
JENar F-Theta	Type:
Note: Damage Warning: Not recommended for picosecond and femtosecond laser pulses.	
#17-699: One Included	Protective Window:

Jenoptik	Manufacturer:
Physical & Mechanical Properties	
104.8 +0/-0.1	Maximum Diameter (mm):
900	Weight (g):
170.9	Flange Distance (mm):
15	Input Beam Diameter, 1/e ² (mm):
55.2	Maximum Length (mm):
Optical Properties	
108.00	Focal Length FL (mm):
40	Scan Angle (°):
53 x 53	Scan Field (mm):
F-Theta Only: 4.8 With Scanner: 5.6	Telecentricity (°):
130.2	Working Distance (mm):
515 - 540	Wavelength Range (nm):
2.5 J/cm ² * (τ/[ns]) ^{0.35} 2.5 MW/cm ²	Damage Threshold, By Design: □
75	Scan Field Diameter (mm):
7	Focus Size Diameter, 1/e ² (μm):
14700	GDD Specification (fs ²):
2.5 J/cm ² * (τ/[ns]) ^{0.35}	Damage Threshold, Pulsed:
2.5 MW/cm ²	Damage Threshold, CW:
Threading & Mounting	
M85 x 1	Mounting Threads:
Regulatory Compliance	
View	Certificate of Conformance:

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.