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

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⊖ 1 ⊕ S\$1,998<sup>00</sup>

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#### 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	<b>Maximum Diameter (mm):</b>
1400	<b>Weight (g):</b>
336	<b>Flange Distance (mm):</b>
20	<b>Input Beam Diameter, 1/e<sup>2</sup> (mm):</b>
65.3	<b>Maximum Length (mm):</b>

## Optical Properties

255.00	<b>Focal Length FL (mm):</b>
53.2	<b>Scan Angle (°):</b>
169 x 169	<b>Scan Field (mm):</b>
F-Theta Only: 14.3 With Scanner: 15	<b>Telecentricity (°):</b>
291	<b>Working Distance (mm):</b>
1030 - 1080	<b>Wavelength Range (nm):</b>
5.0 J/cm <sup>2</sup> * (τ/[ns]) <sup>0.30</sup> 5.0 MW/cm <sup>2</sup>	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
239	<b>Scan Field Diameter (mm):</b>
24	<b>Focus Size Diameter, 1/e<sup>2</sup> (μm):</b>
3670	<b>GDD Specification (fs<sup>2</sup>):</b>
5.0 J/cm <sup>2</sup> * (τ/[ns]) <sup>0.30</sup>	<b>Damage Threshold, Pulsed:</b>
5.0 MW/cm <sup>2</sup>	<b>Damage Threshold, CW:</b>

## Threading & Mounting

M85 x 1	<b>Mounting Threads:</b>
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## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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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.