

[See all 10 Products in Family](#)

# 255mm, 515-540nm JENar™ F-Theta Scanning Lens

See More by [Jenoptik](#)



Stock #16-773 [CONTACT US](#)

⊖ 1 ⊕ C\$3,290<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	C\$3,290.00 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

017700-205-26 **Model Number:**

JENar F-Theta **Type:**

**Note:**  
Damage Warning: Not recommended for picosecond and femtosecond laser pulses.

#17-685: One Included **Protective Window:**

**Manufacturer:**

## Physical & Mechanical Properties

119.8 +0/-0.2 **Maximum Diameter (mm):**

1213 **Weight (g):**

347 **Flange Distance (mm):**

20 **Input Beam Diameter, 1/e<sup>2</sup> (mm):**

73.8 **Maximum Length (mm):**

## Optical Properties

255.00 **Focal Length FL (mm):**

52.1 **Scan Angle (°):**

165 x 165 **Scan Field (mm):**

F-Theta Only: 14.2 With Scanner: 14.2 **Telecentricity (°):**

294 **Working Distance (mm):**

515 - 540 **Wavelength Range (nm):**

**Damage Threshold, By Design:**   
 $2.5 \text{ J/cm}^2 * (\tau/[\text{ns}])^{0.35}$   
 $2.5 \text{ MW/cm}^2$

233 **Scan Field Diameter (mm):**

12 **Focus Size Diameter, 1/e<sup>2</sup> (μm):**

7690 **GDD Specification (fs<sup>2</sup>):**

$2.5 \text{ J/cm}^2 * (\tau/[\text{ns}])^{0.35}$  **Damage Threshold, Pulsed:**

$2.5 \text{ MW/cm}^2$  **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.