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# 125mm, 1030-1080nm + VIS JENar™ F-Theta Scanning Lens

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## Product Downloads

### General

601926 **Model Number:**

JENar F-Theta **Type:**

**Note:**  
+ VS options provide >85% Transmission from 500-680nm

**Protective Window:**  
[#17-697](#): One Included

Jenoptik **Manufacturer:**

## Physical & Mechanical Properties

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

860 **Weight (g):**

196.9 **Flange Distance (mm):**

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

58.3 **Maximum Length (mm):**

## Optical Properties

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

37.2 **Scan Angle (°):**

57 x 57 **Scan Field (mm):**

F-Theta Only: 4.9  
Wth Scanner: 5.1 **Telecentricity (°):**

154.6 **Working Distance (mm):**

500 - 680, 1030 - 1080 **Wavelength Range (nm):**

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

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

3670 **GDD Specification (fs<sup>2</sup>):**

## 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.