

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

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SPECIFICATIONS

General

601948 **Model Number:**

JENar F-Theta **Type:**

Note:
+ VIS options provide >85% Transmission from

500-680nm

Protective Window:

#17-697: One Included

Manufacturer:

Jenoptik

Physical & Mechanical Properties

Maximum Diameter (mm):

119.8 +0/-0.2

Weight (g):

1400

Flange Distance (mm):

336

Input Beam Diameter, 1/e² (mm):

20

Maximum Length (mm):

65.3

Optical Properties

Focal Length FL (mm):

255.00

Scan Angle (°):

53.2

Scan Field (mm):

169 x 169

Telecentricity (°):

F-Theta Only: 14.3
With Scanner: 15

Working Distance (mm):

291

Wavelength Range (nm):

500 - 680, 1030 - 1080

Scan Field Diameter (mm):

239

Focus Size Diameter, 1/e² (µm):

24

GDD Specification (fs²):

3670

Threading & Mounting

Mounting Threads:

M85 x 1

Regulatory Compliance

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.