

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

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1

+

€1.199⁹⁵

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SPECIFICATIONS

General

601926

Model Number:

JENar F-Theta

Type:

Note: + MS options provide >85% Transmission from 500-680nm	
Protective Window: #17-697: One Included	
Manufacturer: Jenoptik	
Physical & Mechanical Properties	
Maximum Diameter (mm): 119.8 +/-0.2	
Weight (g): 860	
Flange Distance (mm): 196.9	
Input Beam Diameter, 1/e² (mm): 15	
Maximum Length (mm): 58.3	
Optical Properties	
Focal Length FL (mm): 125.00	
Scan Angle (°): 37.2	
Scan Field (mm): 57 x 57	
Telecentricity (°): F-Theta Only: 4.9 With Scanner: 5.1	
Working Distance (mm): 154.6	
Wavelength Range (nm): 500 - 680, 1030 - 1080	
Scan Field Diameter (mm): 80	
Focus Size Diameter, 1/e² (µm): 16	
GDD Specification (fs²): 3670	
Threading & Mounting	
Mounting Threads: M85 x 1	
Regulatory Compliance	
Certificate of Conformance: View	

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.