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

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S\$2,961^{.00}

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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:

Jenoptik	
Physical & Mechanical Properties	
119.8 +0/-0.2	Maximum Diameter (mm):
1213	Weight (g):
347	Flange Distance (mm):
20	Input Beam Diameter, 1/e ² (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):
2.5 J/cm ² * (τ/[ns]) ^{0.35} 2.5 MW/cm ²	Damage Threshold, By Design: □
233	Scan Field Diameter (mm):
12	Focus Size Diameter, 1/e ² (μm):
7690	GDD Specification (fs ²):
2.5 J/cm ² * (τ/[ns]) ^{0.35}	Damage Threshold, Pulsed:
2.5 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.