

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

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+

€1.710<sup>00</sup>

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| Qty 1+         | €1.710,00 each                |
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| General                                                                                                            |                    |
|--------------------------------------------------------------------------------------------------------------------|--------------------|
| 017700-205-26                                                                                                      | Model Number:      |
| JENar F-Theta                                                                                                      | Type:              |
| <div><div>Note:</div><div>Damage Warning: Not recommended for picosecond and femtosecond laser pulses.</div></div> |                    |
| #17-685: One Included                                                                                              | Protective Window: |

|                                                                            |                                             |
|----------------------------------------------------------------------------|---------------------------------------------|
| Jenoptik                                                                   | 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):                      |
| 2.5 J/cm <sup>2</sup> * (τ/[ns]) <sup>0.35</sup><br>2.5 MW/cm <sup>2</sup> | Damage Threshold, By Design: □              |
| 233                                                                        | Scan Field Diameter (mm):                   |
| 12                                                                         | Focus Size Diameter, 1/e <sup>2</sup> (μm): |
| 7690                                                                       | GDD Specification (fs <sup>2</sup> ):       |
| 2.5 J/cm <sup>2</sup> * (τ/[ns]) <sup>0.35</sup>                           | Damage Threshold, Pulsed:                   |
| 2.5 MW/cm <sup>2</sup>                                                     | Damage Threshold, CW:                       |
| Threading & Mounting                                                       |                                             |
| M85 x 1                                                                    | Mounting Threads:                           |
| Regulatory Compliance                                                      |                                             |
| <a href="#">View</a>                                                       | 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.