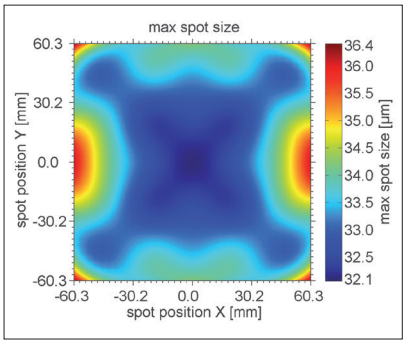
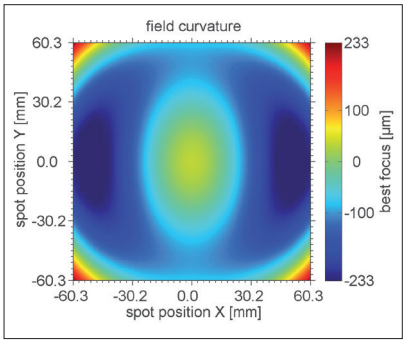
F-Theta JENar™ Lens Series

Large Scan Fields – JENar™ 160-1030...1080-170 + VIS

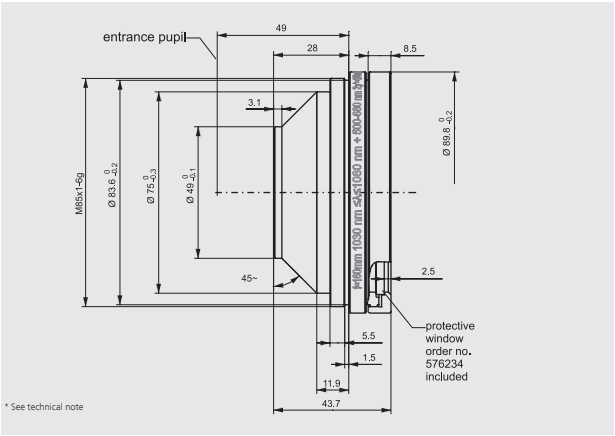
Parameters	JENar™ 160-1030...1080-170 + VIS Compact F-Theta lens for large scan fields
Focal length:	160 mm
Wavelength:	1030...1080 nm; T@500...680 nm > 85 %
Scan field (X x Y); Ø:	(120 mm x 120 mm); 170 mm
Diagonal scan angle:	60°
Back working distance:	178.4 mm
Flange focus distance:	194.1 mm
Input beam Ø 1/e²:	10 mm
Focus size Ø 1/e²:	31 µm
a1:	13 mm
a2:	42.5 mm
Telecentricity (only F-Theta | with scanner):	17.1° | 17.2°
Group delay dispersion (GDD)*:	934 fs²
LIDT coating pulsed; CW*:	not available yet
LIDT system pulsed; CW*:	not available yet
Weight:	0.383 kg
Order Number::	601914

Spot properties

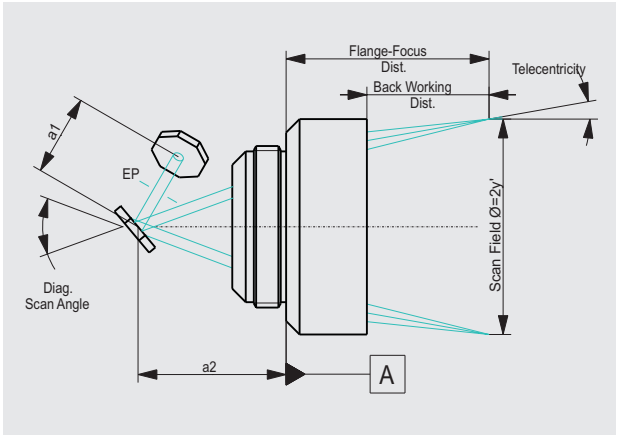




Specifications
JENar™ 160-1030...1080-170 + VIS



Definition of geometrical parameters



JENar®: Registered in EU, CN, JP, SG, US | F-Theta: Registered Design in EU, CN, KR, JP, SG, IN, HK, TW

The data given are nominal values for the specified application parameters. Jenoptik provides Zemax® BlackBox files for simulating application results for customized parameters (e.g. wavelength, scanner geometry, beam diameter, …).
Back working distance, Flange focus distance, and focal length vary by ± 1.5 % due to manufacturing variances.

It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.

JENOPTIK Optical Systems GmbH
Goeschwitzer Strasse 25 | 07745 Jena | Germany
Phone +49 3641 65-3148 | Fax -3677
optics@jenoptik.com | www.jenoptik.com

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