

LARGE APERTURE SYSTEMS

Standard dimensions · Custom dimensions upon request

		Beam Diameter (mm)	Wavelength Range (nm)
VIS-NIR	LA 75	75	400-1100
	LA 100	100	400-1100
	LA 150	150	400-1100
SWIR	LA SWIR 75	75	1000-1700
	LA SWIR 100	100	1000-1700
	LA SWIR 150	150	1000-1700

WAVEFRONT SENSORS

Standard wavefront sensors · Custom solutions upon request

		Phase Point Resolution	Number of Microlenses	Absolute Accuracy (RMS λ/n)	Aperture dimension (mm)	Max. Acq. Frequency (Hz)	Wavelength Range (nm)	SpotTracker Inside ¹
VIS-NIR	HASO LIFT 680	342 720	170 x 126	100	13.78 x 10.21	30	400 - 800	x
	HASO LIFT 272	54 400	68 x 50	100	7.03 x 5.17	20	400 - 800	x
	HASO4 126 VIS	21 420	170 x 126	100	13.78 x 10.21	30	400 - 750	x
	HASO4 BROADBAND	3 400	68 x 50	100	7.03 x 5.17	20	350 - 1100	x
	HASO4 FIRST	1 280	40 x 32	100	4.56 x 3.65	99	400 - 1100 ²	
	HASO4 FAST	256	16 x 16	100	1.19 x 1.19	1000	400 - 900	
SWIR	HASO SWIR	1280	40 x 32	100	9.30 x 7.44	150	900 - 1700	x
	HASO4 SWIR 1550	1280	40 x 32	35	4.56 x 3.65	99	1500 - 1600	

¹ SpotTracker enables absolute tilt detection without pre-alignment

² Any single wavelength in the range

SINGLE MODE LASER SOURCES

Standard wavelengths · Custom wavelengths upon request

520 nm	635 nm	785 nm	1064 nm	1550 nm
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FOCUSING MODULES

Standard focal lengths · Custom modules upon request

F 20	F 30	F 40	F 50	F 60
F 75	F 4.5	F 9	F 9 HR	F 18 HR
AFO x 0.5	AFO x 1			

OPTICAL ENGINEER™ COMPANION

by imagine^optic



METROLOGY ON-THE-GO

342 000 phase points

NO alignment

NO optical table

NO post-processing



1.

Pick a
R-FLEX



R-FLEX2



R-FLEX2 SWIR

2.

Choose a
HASO



+

HASO LIFT series
HASO **LIFT 680**
HASO **LIFT 272**

HASO4 series
HASO4 **First***
HASO4 **FAST***
HASO4 **Broadband**
HASO4 **126**
HASO4 **1550***

HASO SWIR series
HASO **SWIR**
HASO **LIFT SWIR** (2022)

* no SpotTracker

3.

Select
**SOURCES
& MODULES**



SMLS



Modules

+

Choose from
+ 5 standard wavelengths
Single-Mode Laser Sources
+ 12 standard Focusing
Modules
+ Or custom Sources and
Modules

4.

Select a
LA



+

VIS-NIR
R-FLEX **LA 75**
R-FLEX **LA 100**
R-FLEX **LA 150**

SWIR
R-FLEX **LA SWIR 75**
R-FLEX **LA SWIR 100**
R-FLEX **LA SWIR 150**

Custom dimensions on
demand

OPTICAL ENGINEER COMPANION™

by imagine|optic

+



“

To me the top 3 advantages of the OEC are, first you have instant access to the visualization, there is no post-processing. Second I would put the fact that you can use it outside the lab, there is no need for an optical table. And last but certainly not least, you can build your own instrument and adapt it to your needs as they evolve.

”

Adam A., Optical Engineer

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