LENS OB-SPACE - F15.92/2.8

GENERAL DESCRIPTION

This new generation of high performing lenses are redesigning the world of Space Ready optics at a global level, ensuring details never seen before, both looking at infinity and at closer working distances.

INTERNAL RESEARCH HAS BROUGHT IN OUR PRODUCT PORTFOLIO SPACE COMPLIANT MATERIAL AND A NEW LIST OF RAD-HARD GLASSES, ALLOWING TO OUR OPTICAL DESIGNERS NEW DEGREES OF FREEDOM IN OBTAINING BLEEDING EDGE PERFORMING SYSTEMS.

ALL OUR LENSES ARE ASSEMBLED IN ISO5 ENVIRONMENT.

O PTICAL AND MECHANICAL PARAMETERS			
FOCAL LENGTH@587NM	15.92	OPTICAL LAYOUT	DIOPTRIC
F/N	2.8	Focus	FIXED
Image Format	бмм	N. OF ELEMENTS	3
		WAVELENGTH RANGE	400-650NM
F.O.V.	±13.5°	AR COATING	R<0.3%@400-700nm
BACK FOCAL LENGTH	11.9мм	FLANGE FOCAL LENGTH	CUSTOMIZED
RESOLUTION	MTF>40%@133lp/mm	Dimensions	10х22х22 мм
DISTORTION	<0.5%	WEIGHT	0,009 кд
VIGNETTING	NEGLIGIBLE	QUALIFICATION LEVEL	NASA GEVS
WORKING DISTANCE RANGE	INFINITY - 10M	ATHERMALIZATION	-10°C/+30°C
AVERAGE TRANSMISSION	>94%	MOTORIZED FOCUS	UPON REQUEST
Rad Hard	30Krad	OTHER MOUNT TYPE	UPON REQUEST
SUN EXCLUSION ANGLE	±45°	CAMERA INTERFACE	CUSTOM DESIGN
STRAY LIGHT	1.58*10 ⁻⁶	CUSTOMIZATION	UPON REQUEST

LET US BE YOUR EYES IN THE SPACE!!!

 $Ground resolution = \frac{WD \cdot pixel_size}{Focal \ length}$

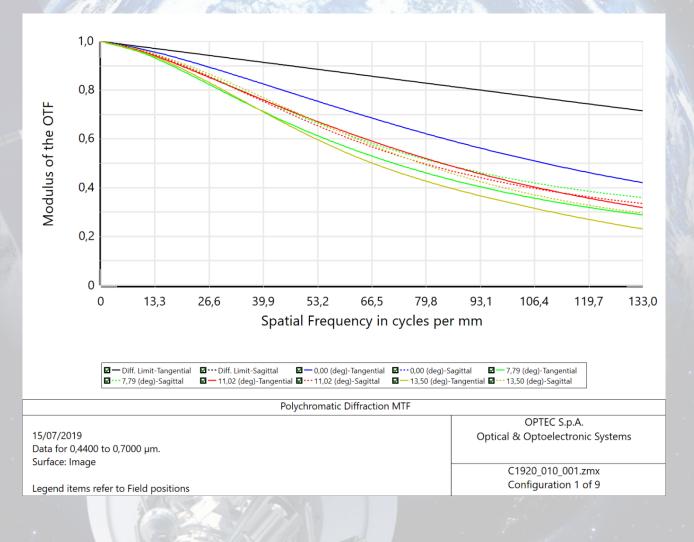
 $Area framed on the ground = \frac{WD \cdot sensor_linear_dimension}{Focal \, length}$

Where WD is the quote.



Specification are subject to change without notice

THE CALCULATED MTF VALUES ARE DISPLAYED BELOW AND ARE VERIFIED AT THE MAXIMUM F/N AND THE BEST FOCUS PLANE. THE COLORED LINES REPRESENT THE F.O.V. STARTING FROM THE CENTER (0%) TO THE CORNER (100%).



More details are available upon request and technical drawings are open for the customers and their needs.



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