## **LENS OB-SPACE - F960/5.2**

## **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.

## LET US BE YOUR EYES IN THE SPACE!!!

OPTICAL AND MECHANICAL PARAMETERS			
FOCAL LENGTH@550NM	960мм	OPTICAL LAYOUT	CATADIOPTRIC
F/N	5.2	Focus	FIXED
IMAGE FORMAT	42.1MM	N. OF ELEMENTS	6
		WAVELENGTH RANGE	450-950nm
F.O.V.	±1.25°	AR COATING	R<0.3%@450-1000NM
BACK FOCAL LENGTH	20мм	FLANGE FOCAL LENGTH	CUSTOMIZED
RESOLUTION	MTF>20% @100LP/MM	DIMENSIONS	UPON REQUEST
DISTORTION	<1%	WEIGHT	UPON REQUEST
VIGNETTING	<1%	QUALIFICATION LEVEL	NASA GEVS
WORKING DISTANCE RANGE	Infinity – 20km	ATHERMALIZATION	-20°C/+60°C
AVERAGE TRANSMISSION	>90%	MOTORIZED FOCUS	UPON REQUEST
RAD HARD	30KRAD	OTHER MOUNT TYPE	UPON REQUEST
Sun Exclusion Angle	UPON REQUEST	CAMERA INTERFACE	Custom Design
STRAY LIGHT	UPON REQUEST	CUSTOMIZATION	UPON REQUEST

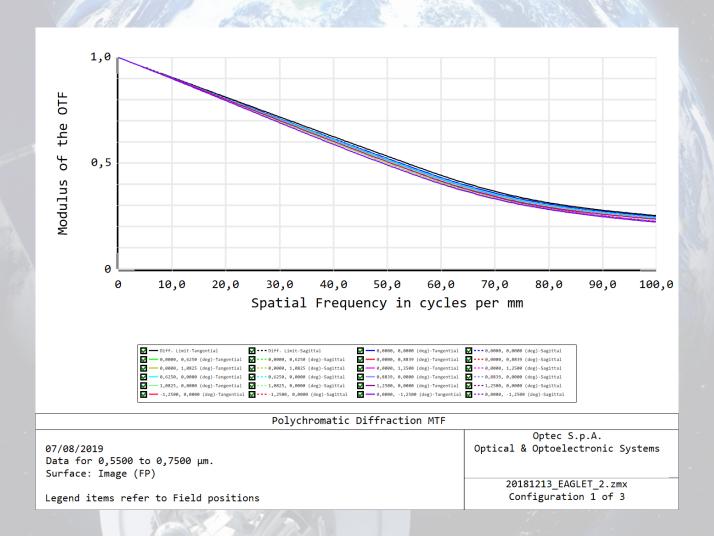
$$Ground\ resolution = \frac{WD \cdot pixel\_size}{Focal\ length}$$

 $Area \ framed \ on \ the \ ground = \frac{WD \cdot sensor\_linear\_dimension}{Focal \ length}$ 

Where WD is the quote.



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.

