



SWIR PRODUCTION ($\lambda = 900 - 1700\text{nm}$)

Transparency in the visible range 400 – 700 nm
 Available also in the range 1700 – 2300 nm and 900-2300 nm
 Average axial chromatic aberration < 0.06 mm
 Antireflection coating efficiency > 99%
 Transmission > 85%

GENERAL DESCRIPTION									
Type	P/N	Focal [mm]	F/N	Image [mm]	FOV [deg]	Resolution	BFL [mm]	Mount	Remarks
OB-SWIR25	C0808.001	25	1.4	20,5	44.6	MTF > 45% @ 25 lp/mm	42	Canon	With iris diaphragm
	C0808.002						46,5	Nikon	
	C0808.003						45,46	M42 Screw	
	C0838.001	25	2.0	20,5	44.6	MTF > 45% @ 25 lp/mm	42	Canon	With iris diaphragm
	C0838.002						46,5	Nikon	
	C0838.003						45,46	M42 Screw	
	C0413.001	25	4.0	20,5	44.6	MTF > 45% @ 40 lp/mm	42	Canon	Without iris diaphragm
	C0413.051							Canon	With iris diaphragm
	C0413.002						46,5	Nikon	Without iris diaphragm
	C0413.052							Nikon	With iris diaphragm
	C0413.003						45,46	M42 Screw	Without iris diaphragm
	C0413.053								With iris diaphragm



GENERAL DESCRIPTION									
Type	P/N	Focal [mm]	F/N	Image [mm]	FOV [deg]	Resolution	BFL [mm]	Mount	Remarks
OB-SWIR35	C0809.001	35	1,4	20,5	32,6	MTF > 45% @ 25 lp/mm	42	Canon	With iris diaphragm
	C0809.002						46,5	Nikon	
	C0809.003						45,46	M42 Screw	
	C0839.001	35	2,0	20,5	32,6	MTF > 50% @ 25 lp/mm	42	Canon	With iris diaphragm
	C0839.002						46,5	Nikon	
	C0839.003						45,46	M42 Screw	
	C0414.001	35	4,0	20,5	32,6	MTF > 45% @ 25 lp/mm	42	Canon	Without iris diaphragm
	C0414.051						42	Canon	With iris diaphragm
	C0414.002						46,5	Nikon	Without iris diaphragm
	C0414.052						46,5	Nikon	With iris diaphragm
	C0414.003						45,46	M42 Screw	Without iris diaphragm
	C0414.053						45,46	M42 Screw	With iris diaphragm
OB-SWIR35-LF	C0411.001	35	1,4	32,8	50,2	MTF > 30% @ 20 lp/mm	42	Canon	Available with Nikon and/or with iris diaphragm
OB-SWIR44	C0417.001	44	1,4	20,5	26,2	MTF > 40% @ 25 lp/mm	42	Canon	Available with Nikon and/or with iris diaphragm
OB-SWIR50	C0810.001	50	1,4	20,5	23	MTF > 35% @ 40 lp/mm	42	Canon	With iris diaphragm
	C0810.002						46,5	Nikon	
	C0810.003						45,46	M42 Screw	
	C0840.001	50	2,0	20,5	23	MTF > 45% @ 35 lp/mm	42	Canon	With iris diaphragm
	C0840.002						46,5	Nikon	
	C0840.003						45,46	M42 Screw	



GENERAL DESCRIPTION									
Type	P/N	Focal [mm]	F/N	Image [mm]	FOV [deg]	Resolution	BFL [mm]	Mount	Remarks
OB-SWIR50	C0410.001	50	4,0	20,5	23	MTF > 45% @ 25 lp/mm	42	Canon	Without iris diaphragm
	C0410.051							Nikon	With iris diaphragm
	C0410.002						46,5	Nikon	Without iris diaphragm
	C0410.052							Nikon	With iris diaphragm
	C0410.003						45,46	M42 Screw	Without iris diaphragm
	C0410.053								With iris diaphragm
OB-SWIR75	C0811.001	75	1,4	20,5	15,5	MTF > 40% @ 30 lp/mm	42	Canon	With iris diaphragm
	C0811.002						46,5	Nikon	
	C0811.003						45,46	M42 Screw	
	C0841.001		2,0	20,5		MTF > 45% @ 25 lp/mm	42	Canon	With iris diaphragm
	C0841.002						46,5	Nikon	
	C0841.003						45,46	M42 Screw	
	C0415.001	4,0	20,5	MTF > 50% @ 35 lp/mm	42	Canon	Without iris diaphragm		
	C0415.051				Nikon	With iris diaphragm			
	C0415.002				46,5	Nikon	Without iris diaphragm		
	C0415.052					Nikon	With iris diaphragm		
	C0415.003				45,46	M42 Screw	Without iris diaphragm		
	C0415.053						With iris diaphragm		
OB-SWIR100	C0812.001	100	1,4	20,5	11,7	MTF > 40% @ 25 lp/mm	42	Canon	With iris diaphragm
	C0812.002						46,5	Nikon	
	C0812.003						45,46	M42 Screw	
	C0842.001	2,0	20,5	MTF > 40% @ 30 lp/mm		42	Canon	With iris diaphragm	
	C0842.002					46,5	Nikon		
	C0842.003					45,46	M42 Screw		



GENERAL DESCRIPTION									
Type	P/N	Focal [mm]	F/N	Image [mm]	FOV [deg]	Resolution	BFL [mm]	Mount	Remarks
OB-SWIR100	C0416.001	100	4,0	20,5	11,7	MTF > 50% @ 50 lp/mm	42	Canon	Without iris diaphragm
	C0416.051								With iris diaphragm
	C0416.002						46,5	Nikon	Without iris diaphragm
	C0416.052								With iris diaphragm
	C0416.003						45,46	M42 Screw	Without iris diaphragm
	C0416.053								With iris diaphragm
OB-SWIR200	B9930.002	200	2,4	18	5	MTF > 50% @ 25 lp/mm	42	Canon	With manual iris diaphragm
OB-SWIR300	C0245.001	300	3,5	20.5	3,9	MTF > 60% @ 40 lp/mm	42	Canon	Without iris diaphragm
	C0245.002								With manual iris diaphragm
	C0245.003								Without iris with motorized focus
OB-SWIR500	C0615.001	500	7,0	20.5	2.35	MTF > 60% @ 25 lp/mm	42	Canon	Without iris diaphragm
	C0615.002								With iris diaphragm
SWIR Zoom 75/500	C0628.002 ⁽¹⁾	75-500	6,0	20.5	15.6-2.35	MTF > 50% @ 25 lp/mm	42	Canon	Zoom and iris diaphragm motorized
SWIR Zoom 75/300	C0760.001 ⁽²⁾	75-300	6,0	20.5	15.6-3.9	MTF > 45% @ 25 lp/mm	42	Canon	Zoom and iris diaphragm motorized
SWIR "FOV 100/200mm <i>In designer phase</i>	C0718.001	100-200	3,5	20.5	11,7 and 5,86	MTF > 45% @ 25 lp/mm	42	Canon	Without iris diaphragm
	C0718.002								With iris diaphragm
RL-SWIR1X-5.6	C0219.001	1X	5,6	16	NA	Related to the coupled lens	152,4 mm (6")	Canon	Canon or Nikon Front Interface Customized rear interface

Note:

⁽¹⁾ Working distance changeable from 20m to ∞

⁽²⁾ Working Focal Length up to 500 mm and working distance changeable from 20m to ∞



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Accessories:

GENERAL DESCRIPTION								
Type	P/N	Focal [mm]	F/N	Image [mm]	FOV [deg]	Resolution	Mount BFL [mm]	Note
SWIR 2X Adapter <i>In designer phase</i>	C0824.001 ⁽³⁾	2X	NA	20,5	NA	NA	-	Canon or Nikon Front Interface Customized rear interface
Type	P/N	Description						Note
C-Mt Adapter	C0998_050_000	Adapter from Nikon to C-mount						For all lenses
	C0999_050_000	Adapter from Canon to C-mount						For all lenses
Filter Holder	B9930.105	All the Filter Holders are specifically designed for each specific lens. The P/N of the filter holder is composed of the first 5 digit who defines the specifi lens where the filter holder can be mounted. Price reported on this area are representing the cost for the mechanical holder only; price of the specific filter in the bottom part of this table.						
	C0022.104							
	C0023.104							
	C0024.105							
	C0028.104							
	C0029.104							
	C0245.150							
	C0410.150							
	C0411.150							
	C0413.150							
	C0414.150							
	C0415.150							
	C0416.150							
	C0417.150							
	C0808.150							
	C0809.150							
	C0810.150							
C0811.150								
C0812.150								
Filter	P/N to be defined	Low or High Pass Band Filter						Indicative price
		Pass Band Filter (30nm width at 50%)						

Note:

- ⁽³⁾ Available for the following lenses: - C0809 - OB SWIR 35/1.4
 - C0811 - OB SWIR 75/1.4
 - C0839 - OB SWIR 35/2
 - C0841 - OB SWIR 75/2