

inspect
award 2022
winner

1.

Category
Vision



VisionSystems
DESIGN
2021 **Innovators
Awards**
GOLD HONOREE

inspect
award 2022
1st Place
Winner

Hyper Apo series

VisionSystems
Innovators
Awards
2021
GOLD
Honoree

ViSWIR

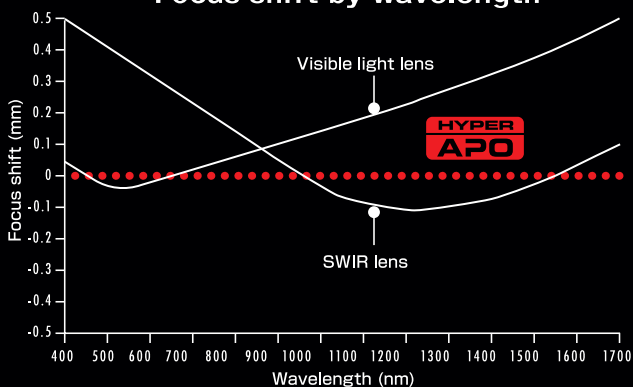
**HYPER
APO**




Compatible with the latest InGaAs sensor cameras

- The latest lens fully compatible with Sony Semiconductor Solutions / IMX990 and IMX991
- Full correction of chromatic aberration from visible light (400 nm) to near-infrared (1700 nm)
- Supports Hyperspectral and multispectral imaging
- ViSWIR light absorbent coating prevents light scattering and provides clear image quality

Focus shift by wavelength



Ultra-high resolution images from visible light (400 nm) to near-infrared (1700 nm) that are always in-focus.



Lite series
ViSWIR
Lite

- ▶ High transmittance from visible light (400 nm) to near-infrared (1700 nm)
- ▶ Attractive Pricing for customers using single band wavelength
- ▶ ViSWIR light absorbent coating provides excellent picture quality and clarity

Focal length line-up

5mm/8mm
12mm/16mm
25mm/35mm
50mm

computar

ViSWIR series | LINE UP

Hyper-APO series

M0818-APVSW	
Focal Length	8mm
F-number	F1.8 - F16
Working Distance	0.1m - Inf
Angle of View (IMX990)	42.7° x 34.7° (D 53.2°)
Angle of View (IMX991)	22.1° x 17.7° (D 28.1°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	5MP
Filter size	M46 P=0.75mm
Dimensions	φ 49mm x 54.7mm
Weight	163g

M1618-APVSW	
Focal Length	16mm
F-number	F1.8 - F16
Working Distance	0.1m - Inf
Angle of View (IMX990)	22.7° x 18.2° (D 28.8°)
Angle of View (IMX991)	11.4° x 9.2° (D 14.6°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	5MP
Filter size	M37.5 P=0.5mm
Dimensions	φ 39.5mm x 51.3mm
Weight	136g

Lite series

H0514-VSW	
Focal Length	5mm
F-number	F1.4 - F16C
Working Distance	0.1m - 0.9m
Angle of View (IMX990)	65.5° x 54.5° (D 77.8°)
Angle of View (IMX991)	35.3° x 28.5° (D 44.6°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	1/2"
Resolution	1.3MP
Filter size	M43 P=0.75mm
Dimensions	φ 44.5mm x 45.5mm
Weight	102g

M1214-VSW	
Focal Length	12mm
F-number	F1.4 - F16C
Working Distance	0.15m - Inf
Angle of View (IMX990)	30.0° x 24.1° (D 37.8°)
Angle of View (IMX991)	15.2° x 12.2° (D 19.4°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	1.3MP
Filter size	M30.5 P=0.5mm
Dimensions	φ 33.5mm x 28.2mm
Weight	61.9g

M2514-VSW	
Focal Length	25mm
F-number	F1.4 - F16C
Working Distance	0.3m - Inf
Angle of View (IMX990)	14.6° x 11.7° (D 18.6°)
Angle of View (IMX991)	7.3° x 5.9° (D 9.4°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	1.3MP
Filter size	M30.5 P=0.5mm
Dimensions	φ 33.5mm x 36mm
Weight	71.2g

M5018-VSW	
Focal Length	50mm
F-number	F1.8 - F16C
Working Distance	0.5m - Inf
Angle of View (IMX990)	7.6° x 6.1° (D 9.8°)
Angle of View (IMX991)	3.8° x 3.1° (D 4.9°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	1.3MP
Filter size	M30.5 P=0.5mm
Dimensions	φ 33.5mm x 38.2mm
Weight	85g

M1218-APVSW	
Focal Length	12mm
F-number	F1.8 - F16
Working Distance	0.1m - Inf
Angle of View (IMX990)	30.0° x 24.2° (D 37.9°)
Angle of View (IMX991)	15.2° x 12.2° (D 19.5°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	5MP
Filter size	M37.5 P=0.5mm
Dimensions	φ 39.5mm x 52.0mm
Weight	133g

M2518-APVSW	
Focal Length	25mm
F-number	F1.8 - F16
Working Distance	0.1m - Inf
Angle of View (IMX990)	14.6° x 11.7° (D 18.6°)
Angle of View (IMX991)	7.3° x 5.9° (D 9.4°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	5MP
Filter size	M37.5 P=0.5mm
Dimensions	φ 39.5mm x 59.2mm
Weight	140g

M0814-VSW	
Focal Length	8mm
F-number	F1.4 - F16C
Working Distance	0.1m - Inf
Angle of View (IMX990)	42.5° x 34.5° (D 53.0°)
Angle of View (IMX991)	21.9° x 17.6° (D 27.9°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	1.3MP
Filter size	M30.5 P=0.5mm
Dimensions	φ 33.5mm x 28.2mm
Weight	62.6g

M1614-VSW	
Focal Length	16mm
F-number	F1.4 - F16C
Working Distance	0.3m - Inf
Angle of View (IMX990)	22.7° x 18.2° (D 28.8°)
Angle of View (IMX991)	11.4° x 9.2° (D 14.6°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	1.3MP
Filter size	M30.5 P=0.5mm
Dimensions	φ 33.5mm x 28.2mm
Weight	60g

M3514-VSW	
Focal Length	35mm
F-number	F1.4 - F16C
Working Distance	0.3m - Inf
Angle of View (IMX990)	10.7° x 8.6° (D 13.7°)
Angle of View (IMX991)	5.4° x 4.3° (D 6.9°)
Wavelength Range	400-1700nm
Mount	C
Sensor size	2/3"
Resolution	1.3MP
Filter size	M30.5 P=0.5mm
Dimensions	φ 33.5mm x 38.2mm
Weight	87g



https://www.computar-global.com/product/viswir_hyper_apo/



https://www.computar-global.com/product/viswir_lite/

Specification is subject to change without any notice.



CBC Co., Ltd.

Industrial Optics Division

2-15-13, Tsukishima, Chuo-ku, Tokyo 104-0052
TEL: +81(0)3 3536 4586 FAX: +81(0)3 3536 4172

<https://www.computar-global.com/>