

Machine Vision



Lenses & Filters



AZURE Photonics

New Manufacturing Base

光
点亮了美
点亮了未来



Information



AZURE location
Building No.M&N



Construction area
20000 m²



Date
2023

Building No.M&N, Haixi Hi-Tech Park, Wulongjiang Avenue,
Shangjie Town, Minhou County, Fuzhou, Fujian 350108, P.R. China.



Introduction

AZURE Photonics Co.,Ltd, is an ISO 9001:2015 certified leading worldwide manufacturer of customized optical components and optical assemblies.

With an innovative facility based in Fuzhou(China) since 2000 and global sales distribution and support at key global locations, AZURE utilizes advanced fabrication equipments and state of the art testing instrumentation and methods to turn concepts and prototypes into high quality cost effective solutions scaled up to serial production. Our experienced team of technical experts also offer optical and mechanical design service for the assemblies from the very beginning your project stars.

We produce a wide range of off-the -shelf and custom objective lenses working with area scan cameras/line scan cameras as well as OEM optics-lenses (spherical,cylindrical),mirrors,windows,filters,prisms and beamsplitters. Our products are widely used in factory automation,logistics automation,motion capture systems,ITS(intelligent Transport System),life science,biometrics and other high-tech industries.



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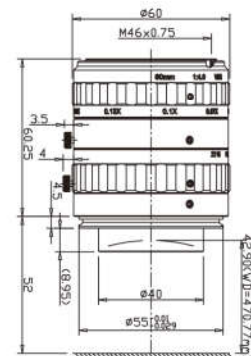
60MM FOCAL LENGTH V-MOUNT LENS



Item No	AZURE-ELS-60/4.0VHD
Resolution	3.5 μ m(16k)/62mm(12k)
Mount	V
Format	68mm
Working Distance	210.61~1540mm
Magnification	0.04X~0.3X
F/ No	4.0
FOV (D \times V \times H)	46.83 $^{\circ}$ \times 50.16 $^{\circ}$ \times 53.53 $^{\circ}$
Focal Length	60mm
Back Focus	39mm
Distortion	<0.44%
Filter Thread	M55 \times 0.75
Dimension	ϕ 77 \times 71.6mm
Weight	761.2g



Item No	AZURE-ELS-60/4.0VHS
Resolution	5 μ m(12k)
Mount	V
Format	60mm
Working Distance	897.32~631.53~470.77~376.17mm
Magnification	-0.07~-0.1~-0.13~0.17X
F/ No	4
FOV (D \times V \times H)	49.28 $^{\circ}$
Focal Length	60mm
Back Focus	42.90mm
Distortion	<0.2%
Filter Thread	M46 \times 0.75
Dimension	ϕ 60 \times 60.25
Weight	561.8g





SF Lenses Series(24MP)

1.1" Format Manual Iris Fixed Lenses



Item No	AZURE-1228SF	AZURE-1624SF
Resolution	200lp/mm	200lp/mm
Format	1.1"	1.1"
Mount	C	C
Focal Length	12mm	16mm
F/No	F2.8~F22	F2.4~F22
Back Focus	10.19mm	15.37mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	1.1"Format	67.92°× 44.26°×56.86°
	1"Format	63.12°× 40.59°×52.44°
	1/1.1"Format	56.59°× 35.87°×46.66°
Distortion	<0.26%	<0.6%
Working Distance	0.12 ~ ∞m	0.12 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M49×0.75	M40.5 × 0.5
Dimension	φ51×62.67mm	φ44.5×58.6mm
Weight	319.6g	236.6g



Item No	AZURE-2520SF	AZURE-3526SF
Resolution	200lp/mm	200lp/mm
Format	1.1"	1.1"
Mount	C	C
Focal Length	25mm	35mm
F/No	F2.0~F22	F2.6~F22
Back Focus	10.45mm	10.869mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	1.1"Format	34.68°× 21.24°×28.11°
	1"Format	31.79°× 19.34°×25.63°
	1/1.1"Format	27.96°× 16.94°×22.50°
Distortion	<-0.33%	<-0.1%
Working Distance	0.12 ~ ∞m	0.12 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M40.5×0.5	M46 × 0.75
Dimension	φ44.5×60.25mm	φ52.5×78mm
Weight	260.0g	-



Item No	AZURE-5020SF	
Resolution	200lp/mm	
Format	1.1"	
Mount	C	
Focal Length	50mm	
F/No	F2.0~F22	
Back Focus	11.16mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	1.1"Format	13.68°× 8.47°×11.30°
	1"Format	12.85°× 7.70°×10.28°
	1/1.1"Format	11.25°× 6.72°×8.99°
Distortion	<0.08%	
Working Distance	0.2 ~ ∞m	
Design Wavelength	400~700nm	
Filter Thread	M52×0.75	
Dimension	φ59×81mm	
Weight	451.0g	



XF Lenses Series(25MP)

4/3" Format Manual Iris Fixed Lenses



Item No	AZURE-1825XF	AZURE-2524XF
Resolution	180lp/mm	180lp/mm
Format	4/3"	4/3"
Mount	C	C
Focal Length	18mm	25mm
F/No	F2.5~F22	F2.4~F22
Back Focus	13.25mm	17.75mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	4/3"Format	62.63°× 40.65°×52.44°
	1.2"Format	54.19°× 34.24°×44.66°
	1.1"Format	50.12°× 31.37°×41.08°
Distortion	<0.84%	<0.36%
Working Distance	0.12 ~ ∞m	0.15 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M46×0.75	M46 × 0.75
Dimension	φ52×66.8mm	φ52×66.8mm
Weight	349.8g	322.8g



Item No	AZURE-3524XF	AZURE-5025XF
Resolution	180lp/mm	180lp/mm
Format	4/3"	4/3"
Mount	C	C
Focal Length	35mm	50mm
F/No	F2.4~F22	F2.5~F16
Back Focus	16.99mm	17.62mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	4/3"Format	33.37°× 20.35°×26.98°
	1.2"Format	28.02°× 16.97°×22.54°
	1.1"Format	25.62°× 15.49°×20.58°
Distortion	<-0.25%	<0.076%
Working Distance	0.23 ~ ∞m	0.25 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M46×0.75	M46 × 0.75
Dimension	φ53.6×68.5mm	φ57.6×85.53mm
Weight	364.6g	450g



HF Lenses Series

43mm Format Manual Iris Fixed Lenses

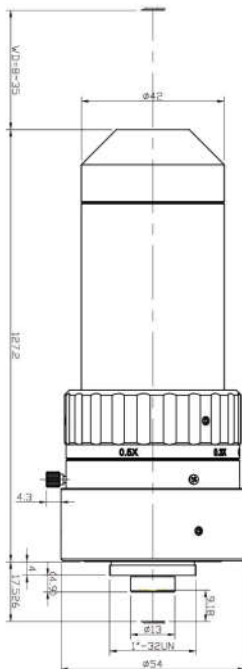
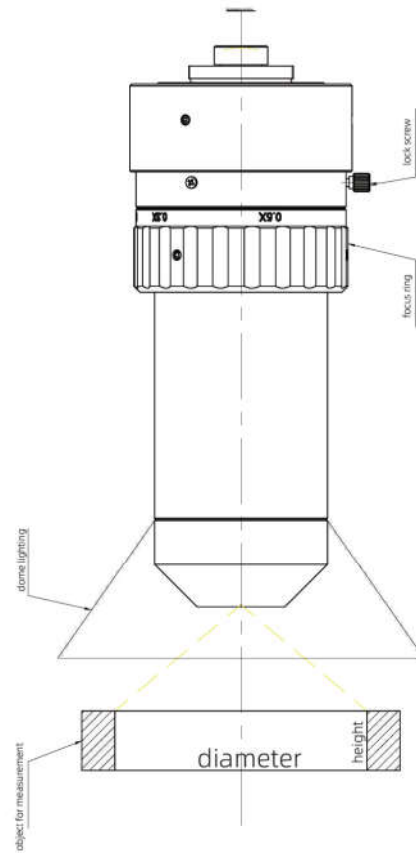


Item No	AZURE-3534HF	AZURE-5528HF
Resolution	5μm	5μm
Format	43mm	43mm
Mount	F	F
Focal Length	35mm	55mm
F/No	F3.4~F22	F2.8~F22
Back Focus	30.63mm	34.74~64.35mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	43mm Format	43.89°× 26.15°×35.03°
	APS-C	44.2°× 24.3°×37.3°
	APS-H	47.14°× 25.93°×39.9°
Distortion	<0.4%	<0.2%
Working Distance	71 ~ ∞mm	150 ~ ∞mm
Design Wavelength	400~700nm	400~700nm
Filter Thread	M43×0.75	M62 × 0.75
Dimension	φ60×81.54mm	φ73×81.46mm
Weight	450.8g	492.2g

Item No	AZURE-11030HF	
Resolution	3.5μm	
Format	43mm	
Mount	F	
Focal Length	110mm	
F/No	F3.0~F22	
Back Focus	22.14mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	43mm Format	21.9°× 13.34°×17.67°
	APS-C	15.47°× 8.58°×12.9°
	APS-H	16.56°× 9.2°×13.9°
Distortion	<1.33%	
Working Distance	184 ~ ∞mm	
Design Wavelength	400~700nm	
Filter Thread	M72×0.75	
Dimension	φ81×130.51mm	
Weight	1030g	



Lens For Inner Surface Inspection



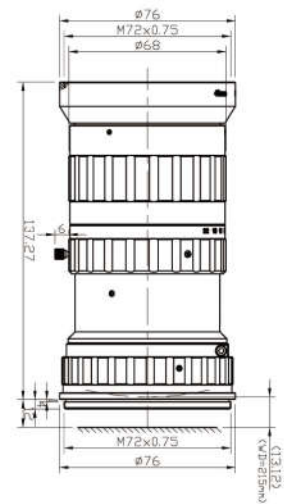
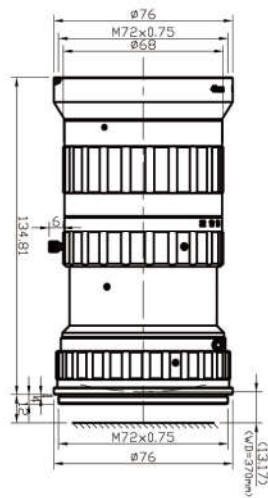
Item No AZURE-INS100

Resolution	MTF>0.2@40 lp/mm		
Format	1" (Python 5000)12.44x9.83mm		
Mount	C		
F/No	F16		
Distortion	<-17.7%		
Working Distance	8 ~ 35mm		
Design Wavelength	400~700nm		
Dimension	φ51x127.2mm		
Relative Illuminate	30%		
CRA	-9.27°		

Format	1/2"	2/3"	1"	
Image circle/φ (mm)	4.8	6.6	9.6	
Working Distance(mm)	9~62	9~62	8~35	
FOV/mm (Diameterxheight)	Min	8.6x10	11x10	15x10
	Max	120x190	120x190	120x190



ELS-4040M72



Item No ELS-4040M72-0.11X

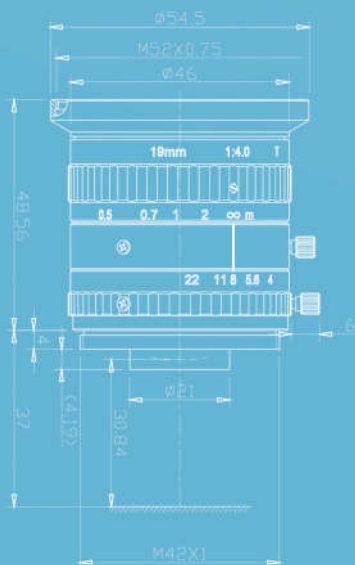
Resolution	16k 3.5 μ m		
Focal Length(mm)	40		
Magnification	-0.07x	-0.11x	-0.15X
Working Distance(mm)	600	370	265
O/I distance(mm)	146.34	147.46	148.57
Working # (fullopen)	5.47	4.41	5.66
F/No	4.0		
FOV(D)	67.66		
Distortion	<-0.15%		
Back Focus(mm)	13.17mm		
Format(mm)	60		
Filter Thread	M72x0.75		
Flange distance	12mm		
Weight	-		

Item No ELS-4040M72-0.18X

Resolution	16k 3.5 μ m		
Focal Length(mm)	40		
Magnification	-0.14x	-0.18x	-0.21X
Working Distance(mm)	270	215	175
O/I distance(mm)	148.79	149.7	150.68
Working # (fullopen)	5.60	4.50	5.76
F/No	4.0		
FOV(D)	66.46		
Distortion	<-0.12%		
Back Focus(mm)	13.12mm		
Format(mm)	60		
Filter Thread	M76x137.27		
Flange distance	12mm		
Weight	-		



1940THD



Item No	AZURE-1940THD	
Resolution	115lp/mm	
Format	30mm	
Mount	T	
Focal Length	19mm	
F/No	F4.0	
Back Focus	30.835mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	30mm	75.10°×49.22°×63.13°
	1"	44.21°×27.22°×35.88°
	2/3"	31.04°×18.86°×25.01°
Distortion	<-3%	
Working Distance	234~∞ mm	
Design Wavelength	400~700nm	
Filter Thread	M52×0.75	
Dimension	φ54.5×48.56mm	
Weight	235.2g	



02

Fixed Focal Length Lenses



2MP Lenses Series



1/2" Format Manual Iris Fixed Lenses



Item No	AZURE-0420MM	AZURE-0614MM	AZURE-0814MM	AZURE-1214MM
Resolution	100lp/mm (2MP)	100lp/mm (2MP)	100lp/mm (2MP)	100lp/mm (2MP)
Format	1/2"	1/2"	1/2"	2/3"
Mount	C	C	C	C
Focal Length	4mm	6mm	8mm	12mm
F/No	F2.0~F16	F1.4~F16	F1.4~F16	F1.4~F16
Back Focus	8.77mm	8.89mm	11.02mm	9.83mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of view (D×V×H)	2/3"Format	-	-	48.86°× 30.44°×39.94°
	1/2"Format	90°× 61.8°×77.4°	68°× 43.8°×56.6°	36.86°× 22.62°×29.86°
	1/3"Format	73.74°× 48.46°×61.92°	53.13°× 33.4°×43.6°	28.07°× 17.06°×22.62°
	1/4"Format	53.13°× 33.4°×43.6°	36.87°× 22.6°×29.86°	28.07°× 17.06°×25.36°
Distortion	<-2.8%	<-1%	<-0.7%	<-1%
Working Distance	0.1 ~ ∞m	0.1 ~ ∞m	0.1 ~ ∞m	0.1 ~ ∞m
Design Wavelength	400~700nm	400~700nm	400~700nm	400~700nm
Filter Thread	-	M30.5 × 0.5	M30.5 × 0.5	M30.5 × 0.5
Dimension	φ44.5 × 35.97mm	φ32.5 × 32.51mm	φ32.5 × 38.5mm	φ32.5 × 41.62mm
Weight	130g	100g	107g	85g

2MP Lenses Series

2/3" Format Manual Iris Fixed Lenses



Item No	AZURE-1614MM	AZURE-2514MM
Resolution	100lp/mm (2MP)	100lp/mm (2MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	16mm	25mm
F/No	F1.4~F16	F1.4~F32
Back Focus	9.87mm	9.43mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	36°x 22.02°x29.12°
	1/2"Format	28.07°x 17.06°x22.62°
	1/3"Format	21.23°x 12.84°x17.06°
	1/4"Format	14.25°x 8.58°x11.42°
Distortion	<-1%	<-1%
Working Distance	0.2m~∞	0.3m~∞
Design Wavelength	400~700nm	400~700nm
Filter Thread	M30.5 x 0.5	M30.5 x 0.5
Dimension	φ32.5 x 35.24mm	φ32.5 x 33.39mm
Weight	80g	60g



Item No	AZURE-3514MM	AZURE-5020MM
Resolution	100lp/mm (2MP)	100lp/mm (2MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	35mm	50mm
F/No	F1.4~F32	F2.0~F16
Back Focus	9.39mm	9.38mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	17.9°x 10.8°x14.4°
	1/2"Format	13.°x 8°x10.5°
	1/3"Format	10°x 5.9°x8°
	1/4"Format	6.54°x 3.93°x5.23°
Distortion	<-1%	<0.4%
Working Distance	0.5m~∞	1m~∞
Design Wavelength	400~700nm	400~700nm
Filter Thread	M30.5 x 0.5	M30.5 x 0.5
Dimension	φ32.9 x 36.91mm	φ32.9 x 33.65mm
Weight	90g	80g



Item No	AZURE-7524MM	
Resolution	100lp/mm (2MP)	
Format	2/3"	
Mount	C	
Focal Length	75mm	
F/No	F2.4~F22	
Back Focus	16.23mm	
Iris Type	Manual Iris	
Angle of view (DxVxH)	2/3"Format	8.32°x 5.02°x 6.7°
	1/2"Format	6.2°x 3.7°x 4.5°
	1/3"Format	4.6°x 2.8°x 3.7°
	1/4"Format	3.05°x 1.83°x 2.44°
Distortion	<0.65%	
Working Distance	1m~∞	
Design Wavelength	400~700nm	
Filter Thread	M34 x 0.5	
Dimension	φ36x 54.97mm	
Weight	140g	

3MP Lenses Series



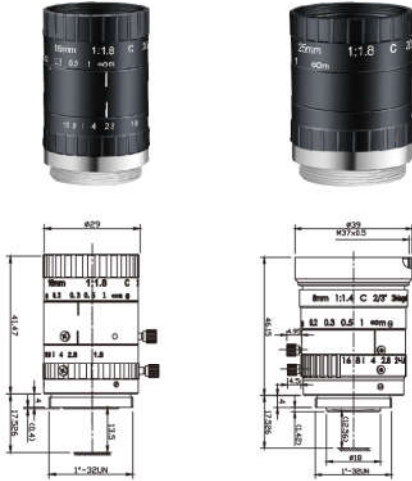
2/3" Format Manual Iris Fixed



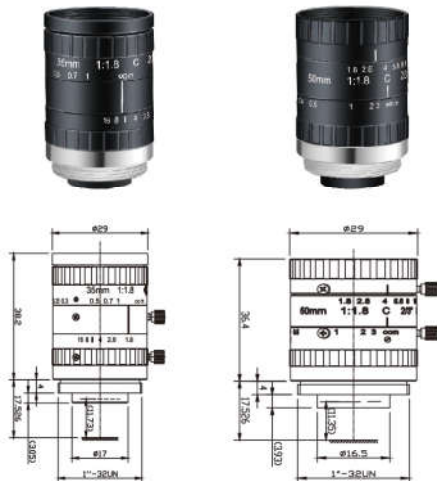
Item No	AZURE-0814M3M	AZURE-0918M3M	AZURE-1218M3M
Resolution	120lp/mm (3MP)	120lp/mm (3MP)	120lp/mm (3MP)
Format	2/3"	2/3"	2/3"
Mount	C	C	C
Focal Length	8mm	9mm	12mm
F/No	F1.4~F16	F1.8~F16	F1.8~F16
Back Focus	12.56mm	10.87mm	11.72mm
Iris Type	Manual Iris	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	64.26°×41.66°×53.76°	47.7°×29.8°×39°
	1/2"Format	53.13°×33.4°×43.6°	36.87°×22.62°×29.86°
	1/3"Format	41.11°×25.36°×33.4°	36.19°×22.19°×29.3°
Distortion	<0.7%	<0.5%	<0.3%
Working Distance	0.1~∞m	0.1~∞m	0.1~∞m
Design Wavelength	400~700nm	400~700nm	400~700nm
Filter Thread	M37 × 0.5	M27 × 0.5	M27 × 0.5
Dimension	φ39 × 46.15mm	φ29 × 31.7mm	φ29 × 41.98mm
Weight	220g	63g	73g

3MP Lenses Series

2/3" Format Manual Iris Fixed Lenses



Item No	AZURE-1618M3M	AZURE-2518M3M
Resolution	120lp/mm (3MP)	120lp/mm (3MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	16mm	25mm
F/No	F1.8~F16	F1.8~F16
Back Focus	13.50mm	12.70mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	36.8°× 22.5°×29.8°
	1/2"Format	28.07°× 17.06°×22.62°
	1/3"Format	21.24°× 12.84°×17.06°
Distortion	<-0.35%	<-0.1%
Working Distance	0.1~∞m	0.15~∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M27 × 0.5	M27 × 0.5
Dimension	φ29× 41.47mm	φ29× 35.03mm
Weight	71g	60.5g



Item No	AZURE-3518M3M	AZURE-5018M3M
Resolution	120lp/mm (3MP)	120lp/mm (3MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	35mm	50mm
F/No	F1.8~F16	F1.8~F16
Back Focus	11.73mm	11.35mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	16.04°× 9.6°×12.8°
	1/2"Format	11.7°× 7°×9.3°
	1/3"Format	9°× 5.3°×7°
Distortion	<-0.1%	<-0.1%
Working Distance	0.25~∞m	0.5~∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M27 × 0.5	M27 × 0.5
Dimension	φ29× 38.2mm	φ29× 36.4mm
Weight	71g	60g

5MP Lenses Series



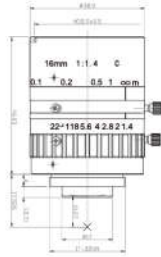
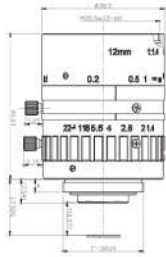
1/2" , 2/3" Format Manual Iris Fixed Lenses



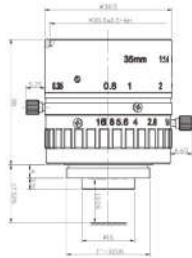
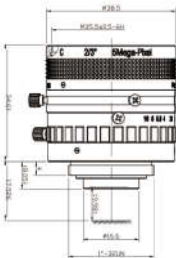
Item No	AZURE-0414M5M	AZURE-0614M5M	AZURE-0814M5M
Resolution	150lp/mm (5MP)	150lp/mm (5MP)	150lp/mm (5MP)
Format	1/2"	1/2"	2/3"
Mount	C	C	C
Focal Length	4mm	6mm	8mm
F/No	F1.4~F32	F1.4~F16	F1.4~F16
Back Focus	10.33mm	9.8mm	9.91mm
Iris Type	Manual Iris	Manual Iris	Manual Iris
Angle of view (DxVxH)	1/2"Format	85°x 58.76°x75.12°	64.48°x 41.6°x53.8°
	1/3"Format	73.74°x 48.46°x61.93°	53.13°x 33.39°x43.6°
	1/4"Format	53.13°x 33.4°x43.6°	36.87°x 22.6°x29.86°
Distortion	<-1.5%	<-1%	<-1%
Working Distance	0.1~∞m	0.1~∞m	0.1~∞m
Design Wavelength	400~700nm	400~700nm	400~700nm
Filter Thread	M52 × 0.75	M35.5 × 0.5	M35.5 × 0.5
Dimension	φ54 × 50.87mm	φ38.5 × 50.4mm	φ38.5 × 50.7mm
Weight	142g	140g	156g

5MP Lenses Series

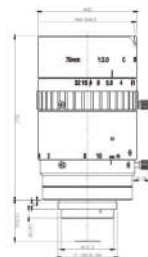
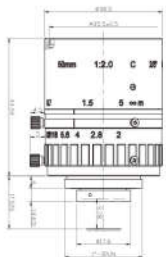
2/3" Format Manual Iris Fixed Lenses



Item No	AZURE-1214M5M	AZURE-1614M5M
Resolution	150lp/mm (5MP)	150lp/mm (5MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	12mm	16mm
F/No	F1.4~F22	F1.4~F22
Back Focus	10.37mm	10.27mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	2/3"Format	47.1°×29.44°×39.58°
	1/2"Format	36.87°×22.62°×29.86°
	1/3"Format	28.07°×17.06°×22.62°
Distortion	<-0.3%	<-0.3%
Working Distance	0.1 ~ ∞m	0.1 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M35.5 × 0.5	M35.5 × 0.5
Dimension	φ38.5 × 46.03mm	φ38.5 × 46.03mm
Weight	150g	139g



Item No	AZURE-2514M5M	AZURE-3514M5M
Resolution	150lp/mm (5MP)	150lp/mm (5MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	25mm	35mm
F/No	9.98mm	13.09mm
Back Focus	F1.4~F16	F1.4~F16
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	2/3"Format	23.6°×14.32°×19.04°
	1/2"Format	18.18°×10.97°×14.59°
	1/3"Format	13.69°×8.24°×10.97°
Distortion	<-0.1%	<-0.05%
Working Distance	0.2 ~ ∞m	0.15 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M35.5 × 0.5	M35.5 × 0.5
Dimension	φ38.5 × 34.61mm	φ38.5 × 38mm
Weight	110g	120g

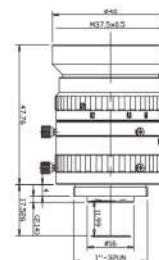
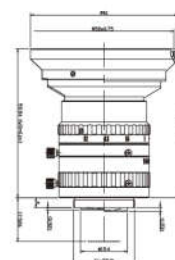


Item No	AZURE-5020M5M	AZURE-7520M5M
Resolution	150lp/mm (5MP)	150lp/mm (5MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	50mm	75mm
F/No	F2.0~F32	F2.0~F22
Back Focus	9.78mm	10.7mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	2/3"Format	12.36°×7.45°×9.92°
	1/2"Format	9.04°×5.42°×7.24°
	1/3"Format	6.78°×4.08°×5.42°
Distortion	<-0.1%	<-0.1%
Working Distance	0.4 ~ ∞m	0.8 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M35.5 × 0.5	M40.5 × 0.5
Dimension	φ38.5 × 44.94mm	φ42 × 69.28mm
Weight	152g	290g

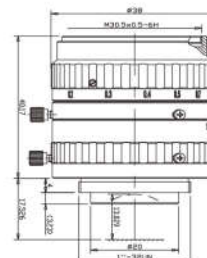
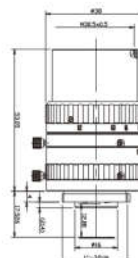
6MP Lenses Series

1/1.2" Format Manual Iris Fixed Lenses

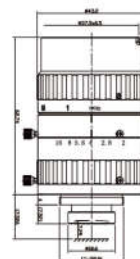
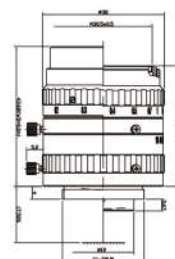
Item No	AZURE-NV0820M6M	AZURE-NV1220M6M
Resolution	170lp/mm (6MP)	170lp/mm (6MP)
Format	1/1.2"	1/1.2"
Mount	C	C
Focal Length	8mm	12mm
F/No	F2.0~16	F2.0~16
Back Focus	12.476mm	11.99mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	1/1.2"Format	80°x 53.8°x67.8°
	2/3"Format	69°x 44.83°x57.62°
	1/2"Format	53.13°x 33.4°x43.6°
Distortion	<0.45%	<1%
Working Distance	0.1 ~ ∞m	0.1 ~ ∞m
Optimum Working Distance	0.2~0.4m	0.2~0.4m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M58 x 0.75	M37.5 x 0.5
Dimension	φ61 x 59.34mm	φ40 x 47.76mm
Weight	110.8g	83.4g

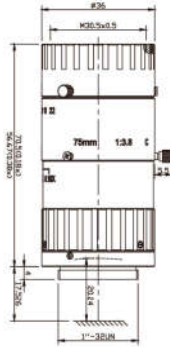


Item No	AZURE-NV1620M6M	AZURE-NV2520M6M
Resolution	170lp/mm (6MP)	170lp/mm (6MP)
Format	1/1.2"	1/1.2"
Mount	C	C
Focal Length	16mm	25mm
F/No	F2.0~16	F2.0~16
Back Focus	12.88mm	13.03mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	1/1.2"Format	44.1°x 27.1°x35.7°
	2/3"Format	36.7°x 22.3°x29.6°
	1/2"Format	28.07°x 17.06°x22.62°
Distortion	<0.6%	<-0.25%
Working Distance	0.1 ~ ∞m	0.2 ~ ∞m
Optimum Working Distance	0.2~0.4m	0.2~0.4m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M30.5 x 0.5	M30.5 x 0.5
Dimension	φ38 x 53.05mm	φ38 x 40.17mm
Weight	106.1g	97.3g



Item No	AZURE-NV3520M6M	AZURE-NV5020M6M
Resolution	170lp/mm (6MP)	170lp/mm (6MP)
Format	1/1.2"	1/1.2"
Mount	C	C
Focal Length	35mm	50mm
F/No	F2.0~16	F2.0~16
Back Focus	10.52mm	7.26mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	1/1.2"Format	20.6°x 12.4°x16.6°
	2/3"Format	17°x 10°x13.3°
	1/2"Format	13.04°x 7.85°x10.45°
Distortion	<-0.35%	<0.05%
Working Distance	0.2 ~ ∞m	0.2 ~ ∞m
Optimum Working Distance	0.2~0.4m	0.2~0.4m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M30.5 x 0.5	M37.5 x 0.5
Dimension	φ38 x 38.74mm	φ43.2 x 62.74mm
Weight	94.4g	-

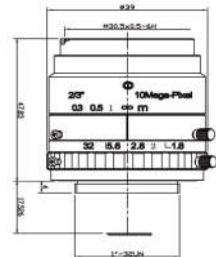
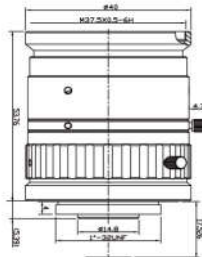
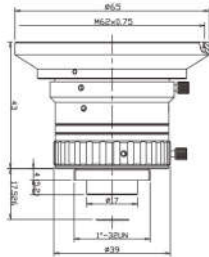




Item No	AZURE-NV7538M6M	
Resolution	6MP	
Format	2/3"(compatible with 1.1" sensor)	
Mount	C	
Focal Length	75mm	
F/No	F3.8	
Back Focus	25.683mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	2/3"Format	33.6°× 25.2°
	1/2"Format	24.4°× 18.3°
	1/3"Format	18.3°× 13.7°
Distortion	<0.3%	
Working Distance	227 ~ 411mm	
Optimum Working Distance	303mm	
Design Wavelength	400~700nm	
Filter Thread	M30.5 × 0.5	
Dimension	φ36 × 70.5mm	
Weight	-	

10MP Lenses Series

2/3" Format Manual Iris Fixed Lenses



Item No	AZURE-0518M10M	AZURE-0818M10M	AZURE-1218M10M	
Resolution	200lp/mm (10MP)	200lp/mm (10MP)	200lp/mm (10MP)	
Format	2/3"	2/3"	2/3"	
Mount	C	C	C	
Focal Length	5mm	8mm	12mm	
F/No	F1.8~F11	F1.8~F22	F1.8~F32	
Back Focus	8.55mm	12.55mm	16.22mm	
Iris Type	Manual Iris	Manual Iris	Manual Iris	
Angle of view (D×V×H)	2/3"Format	96.54°× 67.6°×84°	65.64°× 42.7°×55.06°	48.9°× 30.6°×40.1°
	1/2"Format	77.32°× 51.28°×65.24°	53.13°× 33.4°×43.6°	36.8°× 22.5°×29.7°
	1/3"Format	61.93°× 39.6°×51.28°	41.11°× 25.36°×33.4°	28°× 17°×22.5°
Distortion	<-4.2%	<-1%	<-0.42%	
Working Distance	0.1 ~ ∞m	0.1 ~ ∞m	0.1 ~ ∞m	
Design Wavelength	400~700nm	400~700nm	400~700nm	
Filter Thread	M62 × 0.75	M37.5 × 0.5	M30.5 × 0.5	
Dimension	φ65 × 43mm	φ40 × 53.76mm	φ39 × 47.83mm	
Weight	150g	180g	140g	

10MP Lenses Series

2/3" Format Manual Iris Fixed Lenses

Item No	AZURE-1618M10M	AZURE-2518M10M	
Resolution	200lp/mm (10MP)	200lp/mm (10MP)	
Format	2/3"	2/3"	
Mount	C	C	
Focal Length	16mm	25mm	
F/No	F1.8~F22	F1.8~F32	
Back Focus	14.93mm	12.59mm	
Iris Type	Manual Iris	Manual Iris	
Angle of view (DxVxH)	2/3"Format	37.74°x 23.2°x30.6°	24.5°x 14.84°x19.7°
	1/2"Format	28.07°x 17.06°x22.62°	18.18°x 10.97°x14.59°
	1/3"Format	21.24°x 12.84°x17.06°	13.69°x 8.24°x10.97°
Distortion	<-0.2%	<-0.13%	
Working Distance	0.2 ~ ∞m	0.2 ~ ∞m	
Design Wavelength	400~700nm	400~700nm	
Filter Thread	M30.5 × 0.5	M30.5 × 0.5	
Dimension	φ38 × 53.2mm	φ39 × 41mm	
Weight	140g	140g	



Item No	AZURE-3518M10M	AZURE-5018M10M	
Resolution	200lp/mm (10MP)	200lp/mm (10MP)	
Format	2/3"	2/3"	
Mount	C	C	
Focal Length	35mm	50mm	
F/No	F1.8~F16	F1.8~F22	
Back Focus	12.42mm	13.85mm	
Iris Type	Manual Iris	Manual Iris	
Angle of view (DxVxH)	2/3"Format	17.23°x 10.38°x13.82°	11.67°x 6.89°x9.36°
	1/2"Format	12.58°x 7.56°x10.07°	8.35°x 6.68°x5.01°
	1/3"Format	9.45°x 5.68°x7.56°	6.26°x 3.76°x6.68°
Distortion	<-0.065%	<-0.2%	
Working Distance	0.3 ~ ∞m	0.5 ~ ∞m	
Design Wavelength	400~700nm	400~700nm	
Filter Thread	M34 × 0.5	M34 × 0.5	
Dimension	φ39 × 43.5mm	φ38 × 43.5mm	
Weight	125g	124g	



12MP Lenses Series

1.1" Format Manual Iris Fixed Lenses

Item No	AZURE-0625ML12M	AZURE-0828ML12M	AZURE-1228ML12M	AZURE-1623ML12M	
Resolution	150lp/mm	150lp/mm	150lp/mm	150lp/mm	
Format	1.1"	1.1"	1.1"	1.1"	
Mount	C	C	C	C	
Focal Length	6mm	8mm	12mm	16mm	
F/No	F2.5~F22	F2.8~F16	F2.8~F22	F2.3~F22	
Back Focus	9.735mm	9.67mm	12.11mm	12.42mm	
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris	
Angle of view (DxVxH)	1.1"Format	107.62°x 78.71°x95.12°	93.85°x 65.21°x80.98°	69.35°x 45.38°x58.23°	54.39°x 34.33°x 44.79°
	1"Format	102.36°x 73.43°x89.66°	88.33°x 60.36°x75.60°	64.52°x 41.61°x53.74°	50.15°x 31.36°x41.08°
	1/1.1"Format	94.78°x 66.28°x82.02°	80.65°x 53.96°x68.31°	57.95°x 36.77°x47.83°	44.56°x 27.59°x36.29°
	2/3"Format	81.00°x 54.39°x68.73°	67.35°x 43.64°x56.14°	47.07°x 29.24°x38.04°	35.67°x 21.83°x28.86°
Distortion	<0.23%	<0.47%	<0.51%	<0.4%	
Working Distance	0.15 ~ ∞m	0.12 ~ ∞m	0.1 ~ ∞m	0.1 ~ ∞m	
Design Wavelength	400~700nm	400~700nm	400~700nm	400~700nm	
Filter Thread	M62x0.75	M55x0.75	M46x0.75	M43x0.75	
Dimension	φ65 x49.9mm	φ59x49.2mm	φ50x67.6mm	φ46x69.03mm	
Weight	241.4g	305.6g	226.3g	226.3g	



Item No	AZURE-2520ML12M	AZURE-3520ML12M	AZURE-5022ML12M	AZURE-7526ML12M	
Resolution	150lp/mm	150lp/mm	150lp/mm	150lp/mm	
Format	1.1"	1.1"	1.1"	1.1"	
Mount	C	C	C	C	
Focal Length	25mm	35mm	50mm	75mm	
F/No	F2.0~F22	F2.0~F22	F2.2~F22	F2.6~F32	
Back Focus	13.71mm	13.16mm	14.27mm	15.76mm	
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris	
Angle of view (DxVxH)	1.1"Format	35.30°x 21.75°x28.68°	29.02°x 17.68°x23.43°	16.18°x 9.77°x12.99°	9.31°x 5.59°x7.45°
	1"Format	32.33°x 19.81°x26.19°	26.51°x 16.10°x21.36°	14.74°x 8.88°x11.82°	8.47°x 5.08°x6.77°
	1/1.1"Format	28.53°x 17.38°x23.03°	23.30°x 14.11°x18.74°	12.92°x 7.78°x10.35°	7.41°x 4.45°x5.93°
	2/3"Format	22.63°x 13.68°x18.19°	18.41°x 11.10°x14.77°	10.17°x 6.10°x8.15°	5.82°x 3.49°x4.66°
Distortion	<0.25%	<0.15%	<0.1%	<0.35%	
Working Distance	0.1 ~ ∞m	0.2 ~ ∞m	0.25 ~ ∞m	0.3 ~ ∞m	
Design Wavelength	400~700nm	400~700nm	400~700nm	400~700nm	
Filter Thread	M37.5x0.5	M37.5x0.5	M37.5x0.5	M34x0.5	
Dimension	φ45x75.41mm	φ46x77.1mm	φ49x102.63mm	φ50x95.41mm	
Weight	194g	209.7g	252.1g	270g	



Item No		AZURE-0725FL12M
Resolution		150lp/mm
Format		1"
Mount		C
Focal Length		6.99mm
F/No		F2.55
Back Focus		9.69mm
Iris Type		Fixed Iris
Angle of view (DxVxH)	1"Format	143°x 80°x109.2°
	2/3"Format	93°x 55°x74°
	1/2"Format	67°x 39.6°x53°
Distortion		<-61%
Working Distance		0.5 ~ ∞m
Design Wavelength		400~700nm
Filter Thread		-
Dimension		φ33.9x 43.26mm
Weight		-



1" 6.5mm Manual Iris Fixed Lens

Item No	AZURE-0614MLM	AZURE-06520ML5M	
Resolution	100lp/mm (2MP)	150lp/mm (5MP)	
Format	1"	1"	
Mount	C	C	
Focal Length	6.5mm	6.5mm	
F/No	F1.4~F32	F2.0~F22	
Back Focus	9.33mm	9.23mm	
Iris Type	Manual Iris	Manual Iris	
Angle of view (DxVxH)	1"Format	112°x 72.89°x88.66°	106.4°x 76°x94°
	2/3"Format	85.02°x 57.62°x71.51°	80.47°x 53.83°x68.19°
	1/2"Format	67.38°x 43.6°x56.14°	63.22°x 40.53°x52.42°
Distortion	<-19%	<-10.5%	
Working Distance	0.15 ~ ∞m	0.1 ~ ∞m	
Design Wavelength	400~700nm	400~700nm	
Filter Thread	M43 x 0.75	M52 x 0.75	
Dimension	φ46x 44.42mm	φ55x 46.24mm	
Weight	130g	135g	



UV Lenses Series

Item No	AZURE-2528UV	AZURE-5030UV	AZURE-7538UV
Resolution	100lp/mm (2MP)	90lp/mm	2MP
Format	2/3"	2/3"	2/3"
Mount	C	C	C
Focal Length	25mm	50mm	75mm
F/No	F2.8	F3.0	F3.8
Back Focus	12.45mm	26.50mm	47.32mm
Iris Type	Manual Iris	Manual Iris	Manual Iris
Angle of view (D×V×H)	2/3"Format	24.81°× 15.1°×20°	8.36°× 5.06°×6.70°
	1/2"Format	18.18°× 10.97°×14.59°	6.10°× 3.67°×4.89°
	1/3"Format	13.69°× 8.24°×10.97°	4.58°× 2.75°×3.67°
Distortion	<-0.06%	<0.1%	<-0.1%
Working Distance	0.2m~∞	0.3m~∞	0.5m~∞
Design Wavelength	200~1000nm	200~1000nm	200~1000nm
Filter Thread	M30.5 × 0.5	M34 × 0.5	M34× 0.5
Dimension	φ34.5 × 34.39mm	φ37.6 × 49.51mm	φ58× 70.38mm
Weight	68.2g	110g	152.9g



Item No	AZURE-NV7838UV	
Resolution	100 lp/mm	
Format	1"	
Mount	C	
Focal Length	78mm	
F/No	F3.8	
Back Focus	65.02mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	1" Format	11.16°× 6.71°×8.94°
	2/3" Format	7.69°× 4.62°×6.16°
	1/2" Format	5.60°× 3.36°×4.48°
Distortion	<-0.05%	
Working Distance	0.4m~∞m	
Design Wavelength	200-400nm	
Filter Thread	M30.5× 0.5	
Dimension	φ52× 104.84mm	
Weight	-	

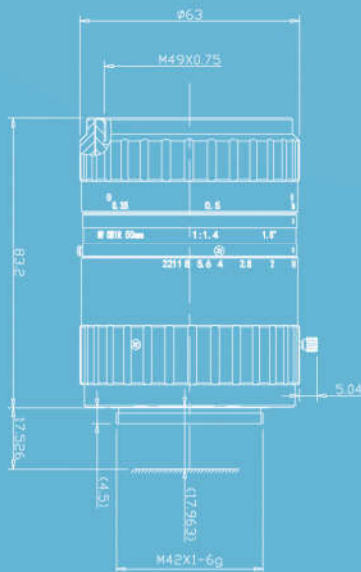


Item No	AZURE-8528UV	
Resolution	65lp/mm	
Format	25mm	
Mount	F	
Focal Length	85mm	
F/No	F2.8	
Back Focus	43.34mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	25"mm	14.03°× 8.48°×11.28°
	1"Format	9.04°× 5.44°×7.25°
	2/3"Format	6.24°× 3.74°×4.98°
Distortion	<0.7%	
Working Distance	-	
Design Wavelength	-	
Filter Thread	M55× 0.75	
Dimension	φ62× 82.73mm	
Weight	-	





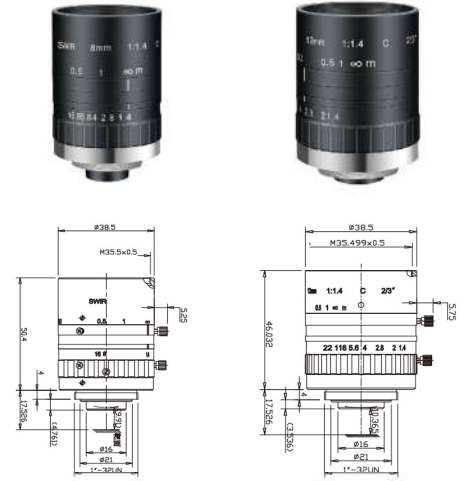
SWIR Lenses Series



Item No	AZURE-NV5014SWIR	
Resolution	90lp/mm	
Format	28.6mm	
Mount	M42x1	
Focal Length	50mm	
F/No	F1.4	
Back Focus	17.96mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	1.8"Format	27.26°×16.62°×22.02°
	4/3"Format	23.18°×14.05°×18.66°
	1"Format	16.64°×10.03°×13.35°
Distortion	<-0.22%	
Working Distance	0.3m~∞	
Design Wavelength	900~1700nm	
Filter Thread	M49×0.75	
Dimension	φ63×83.2mm	
Weight	-	

SWIR Lenses Series

Item No	AZURE-0814SWIR-S	AZURE-1214SWIR-S
Resolution	60lp/mm	40lp/mm
Format	2/3"	2/3"
Mount	C	C
Focal Length	8.5mm	12.5mm
F/No.	F1.4~F16	F1.4~F22
Back Focus	9.91mm	10.365mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	61°x 42.8°x51.8°
	1/2"Format	53.1°x 33.4°x43.6°
	1/3"Format	41.1°x 25.4°x33.4°
Distortion	<-1.2%	<-0.4%
Working Distance	0.2m ~ ∞	0.2m ~ ∞
Design Wavelength	900~1700nm	900~1700nm
Filter Thread	M35.5 × 0.5	M35.5 × 0.5
Dimension	φ38.5 × 50.4mm	φ38.5 × 46.03mm
Weight	156g	150g



Item No	AZURE-1614SWIR-S	AZURE-2514SWIR-S
Resolution	40lp/mm	60lp/mm
Format	2/3"	2/3"
Mount	C	C
Focal Length	16.3mm	25.9mm
F/No.	F1.4~F22	F1.4~F16
Back Focus	10.27mm	9.98mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	36.6°x 22.4°x29.6°
	1/2"Format	27.6°x 16.8°x22.2°
	1/3"Format	20.9°x 12.6°x16.8°
Distortion	<-0.4%	<-0.5%
Working Distance	0.2m ~ ∞	0.5m ~ ∞
Design Wavelength	900~1700nm	900~1700nm
Filter Thread	M35.5 × 0.5	M35.5 × 0.5
Dimension	φ38.5 × 46.03mm	φ38.5 × 34.61mm
Weight	139g	110g



Item No	AZURE-3514SWIR-S	AZURE-5020SWIR-S
Resolution	50lp/mm	30lp/mm
Format	2/3"	2/3"
Mount	C	C
Focal Length	35mm	50mm
F/No.	F1.4	F2.0
Back Focus	13.09mm	9.78mm
Iris Type	Manual Iris	Manual Iris
Angle of view (DxVxH)	2/3"Format	17.44°x 10.51°x13.99°
	1/2"Format	12.73°x 7.66°x10.20°
	1/3"Format	9.57°x 5.75°x7.66°
Distortion	<0.03%	<-0.16%
Working Distance	0.15m~∞	0.4m~∞
Design Wavelength	900~1700nm	900~1700nm
Filter Thread	M35.5 × 0.5	M35.5 × 0.5
Dimension	φ38.5 × 38mm	φ38.5 × 44.94mm
Weight	120g	152g



SWIR Lenses Series



Item No	AZURE-2518SWIR	AZURE-3514SWIR	
Resolution	100lp/mm	50lp/mm	
Format	1"	1"	
Mount	C	C	
Focal Length	25mm	35mm	
F/No.	F1.8	F1.4	
Back Focus	12.496mm	11.1mm	
Iris Type	Manual Iris	Manual Iris	
Angle of View (DxVxH)	1"Format	35.49°x 21.74°x28.5°	25.75°x15.62°x20.57°
	2/3"Format	24.81°x 15.04°x19.96°	17.86°x10.77°x14.33°
	1/2"Format	18.18°x 10.97°x14.59°	13.03°x7.85°x10.45°
	1/3"Format	13.69°x 8.24°x 10.97°	9.8°x5.89°x 7.85°
	1/4"Format	9.15°x 5.5°x 7.32°	6.54°x3.93°x 5.23°
Distortion	<-0.5%	<0.1%	
Working Distance	0.3m~∞	0.3m~∞	
Design Wavelength	900~1700nm	900~1700nm	
Filter Thred	M30.5 x 0.5	M37 x 0.75	
Dimention	φ40 x 46.81mm	φ40 x 39.18mm	
Weight	145g	135g	



Item No	AZURE-5014SWIR	AZURE-NV2514SWIR	
Resolution	50lp/mm	40lp/mm	
Format	1"	1"	
Mount	C	C	
Focal Length	50mm	25mm	
F/No.	F1.4	F1.4~22	
Back Focus	11.29mm	12.08mm	
Iris Type	Manual Iris	Manual Iris	
Angle of View (DxVxH)	1.8"Format	-	-
	4/3"Format	-	-
	1"Format	18.18°x10.97°x14.48°	36°x21°x27.8°
	2/3"Format	12.55°x7.55°x10.06°	24.81°x15.04°x19.96°
	1/2"Format	9.15°x5.5°x7.32°	18.18°x10.97°x14.59°
Distortion	<0.05%	<0.15%	
Working Distance	0.5m~∞	0.3m~∞	
Design Wavelength	900~1700nm	900~1700nm	
Filter Thred	M46 x 0.75	M40.5x0.5	
Dimention	φ52 x 51.22mm	φ49x56.23mm	
Weight	245g	270.1	



Item No	AZURE-NV2520SWIR	AZURE-NV3514SWIR	
Resolution	40lp/mm	60lp/mm	
Format	28mm	4/3"	
Mount	C	M42x1(T)	
Focal Length	25mm	35mm	
F/No	F2.0~22	F1.4~16	
Back Focus	15.7mm	9.1mm	
Iris Type	Manual Iris	Manual Iris	
Angle of view (DxVxH)	1.8"Format	56.2°x32.4°x48.2°	-
	4/3"Format	48.04°x29.8°x39.19°	31.2°x18.7°x25.4°
	1"Format	35.49°x21.74°x28.72°	25.75°x15.62°x20.7°
	2/3"Format	-	17.68°x10.77°x14.33°
	1/2"Format	-	-
Distortion	<-2.3%	<-0.4%	
Working Distance	0.25m~∞	0.3m~∞	
Design Wavelength	900~1700nm	900~1700nm	
Filter Thred	M40.5x0.5	M46x0.75	
Dimension	φ44x48.53mm	φ55x54.17mm	
Weight	195g	292.3g	

IR Corrected Lenses (ITS)

Item No	AZURE-DN1616ML10M	AZURE-DN2012MML	AZURE-DN2512MML	AZURE-DN2518MML
Resolution	120lp/m	10MP	10MP	150lp/mm
Format	1"	1"	1"	1"
Mount	C	C	C	C
Focal Length	16mm	20mm	25mm	25mm
F/No	F1.6	F1.2	F1.2	F1.8
Back Focus	20.83mm	12.26mm	13.02mm	15.37mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of view (DxVxH)	1"Format	52.38°x32.21°x42.49°	45.4°x26.2°x33.18°	36.40°x18.36°x27.68°
	2/3"Format	36.75°x22.30°x29.59°	30.74°x18.74°x24.81°	24.81°x15.04°x19.96°
	1/2"Format	26.95°x16.27°x21.64°	22.62°x13.69°x18.18°	18.18°x10.97°x14.59°
Distortion	<-3.56%	<-4.0%	<-2.5%	<-0.8%
Working Distance	0.35 ~ ∞m	1 ~ ∞m	1.5 ~ ∞m	0.8 ~ ∞m
Design Wavelength	400~850nm	400~1000nm	400~1000nm	400~1000nm
Filter Thread	M40.5x0.5	M43x0.75	M43x0.75	M30.5x0.5
Dimension	φ53x101.63mm	φ53x90.65mm	φ53x94.89mm	φ46x69.03mm
Weight	-	-	-	-



Item No	AZURE-DN3512MML	AZURE-DN3520MML	AZURE-DN5028MML	
Resolution	140lp/mm	100lp/mm	5MP	
Format	1"	1"	1"	
Mount	C	C	C	
Focal Length	35mm	35mm	50mm	
F/No	F1.2	F2.0	F2.8	
Back Focus	12.92mm	19.59mm	21.33mm	
Iris Type	Manual Iris	Manual Iris	Manual Iris	
Angle of view (DxVxH)	1"Format	26°x15.72°x20.96°	26.03°x15.45°x20.7°	18.4°x11°x14.62°
	2/3"Format	17.86°x10.77°x14.33°	17.74°x10.6°x14.15°	12.55°x7.55°x10.06°
	1/2"Format	13.03°x7.85°x10.45°	12.86°x7.7°x10.27°	9.15°x7.32°x5.50°
Distortion	<-2.2%	<-3.4%	<0.26%	
Working Distance	2.0 ~ ∞m	1.5 ~ ∞m	1.0 ~ ∞m	
Design Wavelength	400~1000nm	400~1000nm	400~1000nm	
Filter Thread	M43x0.75	M30.5x0.5	M30.5x0.5	
Dimension	φ53x99.39mm	φ38x59.17mm	φ39x50.89mm	
Weight	480g	-	147g	



IR Corrected Lenses (ITS)



Item No	AZURE-DN0815SL3M	AZURE-DN2815SL3M
Resolution	3MP	3MP
Format	1/1.2"	1/1.2"
Mount	C	C
Focal Length	8mm	28mm
F/No	F1.5	F1.5
Back Focus	14.63mm	12.31mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	1/1.2"Format	90.2°×54.6°×71°
	2/3"Format	69.02°×44.83°×57.62°
	1/2"Format	53.13°×33.40°×43.60°
Distortion	<-20%	<-4.3%
Working Distance	0.5~∞m	3~∞m
Design Wavelength	400~900nm	400~1000nm
Filter Thread	M37.5×0.5	M37.5×0.5
Dimension	φ37.5×0.5mm	φ42.2×60.28mm
Weight	-	-



Item No	AZURE-DN1616MX10M	AZURE-DN2516MX10M
Resolution	10MP	10MP
Format	4/3"	4/3"
Mount	C	C
Focal Length	16mm	25mm
F/No	F1.6	F1.6
Back Focus	20.83mm	19.9mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	4/3"Format	66.26°×43.7°×56.04°
	1"Format	52°×32.2°×42.4°
	2/3"Format	36.8°×22.4°×29.6°
Distortion	<-5.63%	<-3.54%
Working Distance	0.35~∞m	3~∞m
Design Wavelength	400~850nm	400~850nm
Filter Thread	M49×0.75	M43×0.75
Dimension	φ53×0.5mm	φ53×111.42mm
Weight	-	-



Item No	AZURE-DN1040Z3M	AZURE-DN2080Z8M
Resolution	3MP	130lp/mm
Format	2/3"	1"
Mount	C	C
Focal Length	10~40mm	20~80mm
F/No	F2.0	F1.6
Back Focus	9.85~11.28mm	22.78~19.84mm
Iris Type	Manual Iris	Manual Iris
Angle of view(D)	16.15°~52.17°	11.66°~45.44°
Distortion	<-5.63%	<-5.0°~1.0%
Working Distance	0.35~∞m	0.5~∞m
Design Wavelength	400~850nm	400~850nm
Filter Thread	M40.5×0.5	M95×1
Dimension	φ44.4×77.92mm	φ98×183.36mm
Weight	-	-

03

Vari-focal Lenses



Vari-focal Lenses Series



Item No	AZURE-0812Z5M	AZURE-1040Z3M
Resolution	200lp/mm (5MP)	120lp/mm (3MP)
Format	1/2.5"	2/3"
Mount	C	C
Focal Length	8~12mm	10~40mm
F/No	F2.5~F22	F1.8~F16
Back Focus	10.05~12.36mm	10.39mm~11.50mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D)	49.6°~34°	47.5°~16.7°
Distortion	-4%~-2.0%	-3.8%~-3.3%
Working Distance	0.3 ~ ∞m	0.3 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M27×0.5	M40.5×0.5
Dimension	φ34.5×48.77mm	φ44.5×71.07mm
Weight	84.94g	225g



Item No	AZURE-1236ZM	AZURE-1060ZM
Resolution	100lp/mm (2MP)	100lp/mm (2MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	12~36mm	10~60mm
F/No	F2.8~F16	F1.4
Back Focus	11.06mm	10.51mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D)	49.8°~16.7°	51°~11°
Distortion	-3.6%~3.5%	<1%~12%
Working Distance	0.1 ~ ∞m	0.5 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M35.5×0.5	M49×0.75
Dimension	φ38.5×53.97mm	φ59.5×126.97mm
Weight	140g	532.5g



Item No	AZURE-1632ZL5M	AZURE-NV1236Z5M
Resolution	150lp/mm (5MP)	150lp/mm (5MP)
Format	1"	2/3"
Mount	C	C
Focal Length	16~32mm	12~36mm
F/No	F1.8~F16	F2.8~F22
Back Focus	21.58mm	8.16~11.78mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D)	53.2°~27.5°	47.8°~16°
Distortion	<-1%~1%	-3.5%~-2.1%
Working Distance	0.3 ~ ∞m	0.2 ~ ∞m
Design Wavelength	400~700nm	400~700nm
Filter Thread	M62×0.75	M37.5×0.5
Dimension	φ65×113.4mm	φ44.5×54.04mm
Weight	619g	175.26g

04

Macro Lenses



Macro Lenses Series

Item No AZURE-0307XTHM

Resolution	6MP		
Format	2/3"		
Mount	C		
Magnification	0.3X	0.5X	0.75X
Effective F/No	F2.8		
Back Focus	22.78mm		
Iris Type	Manual Iris		
Angle of view	36.67°x22°x39.33mm	22°x13.2°x17.6mm	14.67°x8.8°x11.73mm
Distortion	-0.21%~+0.51%		
Working Distance	178.6mm	138.5mm	120mm



Item No AZURE-0311XZM AZURE-M018038XM

Resolution	3MP	110lp/mm
Format	2/3"	2/3"
Mount	C	C
Magnification	0.3X~1.1X	0.18X~0.38X
F/No	F7.6~F32	2.5
Back Focus	12.78mm	38.39mm
Iris Type	Manual Iris	
Angle of view (D×V×H)	2/3"Format	11.3°~17.37° 6.79°~10.47° 9.05°~13.94°
	1/2"Format	8.23°~12.68° 4.94°~7.63° 6.59°~10.15°
	1/3"Format	- 2.85°× 1.66°× 2.26°
Distortion	-0.1~1.1%	<0.2%
Working Distance	0.083~0.103m	265~480mm
Design Wavelength	400~700nm	400~700nm
Filter Thread	M34×0.5	M34 × 0.5
Dimension	φ38×88.58mm	φ36× 70mm
Weight	-	-

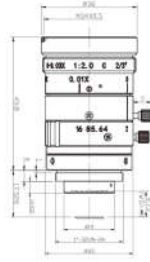


Item No AZURE-0110XSMAC

Resolution	3MP	
Format	2/3"	
Mount	C	
Magnification	0.1X~1.0X	
F/No	F5.0	
Back Focus	21.05mm	
Iris Type	Fixed Iris	
Angle of view (D×V×H)	2/3"Format	22.15°×13.4°×17.8°
	1/2"Format	16.26°×9.8°×13.04°
	1/3"Format	12.23°×7.36°×9.8°
Distortion	<0.05%	
Working Distance	0.05~∞mm	
Design Wavelength	400~700nm	
Filter Thread	M27×0.5	
Dimension	φ31.4×68mm	
Weight	135.6g	

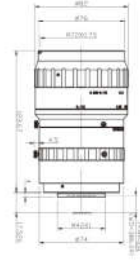


Macro Lenses Series



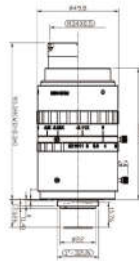
Item No AZURE-M002003XM

Resolution	150 lp/mm	
Format	2/3"	
Mount	C	
F/No	F2.0	
Back Focus	9.73mm	
Iris Type	Manual Iris	
Angle of view (DxVxH)	1.1"Format	61.56°x39.93°x51.57°
	1"Format	47.49°x29.57°x38.81°
	1/1.1"Format	36.55°x22.37°x29.57°
Distortion	<-0.99%	
Magnification	-0.02x~-0.03x	
Working Distance	380~280mm	
Design Wavelength	400~700nm	
Filter Thread	M34x0.5	
Dimension	φ36x49.8mm	
Weight	-	



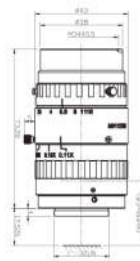
Item No AZURE-M0608XSWIR

Resolution	200 lp/mm	
Format	1"	
Mount	M42x1	
F/No	F1.4	
Back Focus	14.88mm	
Iris Type	Manual Iris	
Angle of view (DxVxH)	1"Format	34.99°x21.20°x28.15°
	2/3"Format	24.55°x14.61°x19.45°
	1/2"Format	17.69°x10.64°x14.17°
Distortion	<-2.04%	
Magnification	0.06x~0.11x	
Working Distance	386~207mm	
Design Wavelength	1130~1525nm	
Filter Thread	M72x0.75	
Dimension	φ82x123.67mm	
Weight	-	



Item No AZURE-M0043XM

Resolution	150 lp/mm	
Format	1.1"	
Mount	C	
F/No	F2.6	
Back Focus	15.76mm	
Iris Type	Manual Iris	
Angle of view (DxVxH)	1.1"Format	7.53°x4.65°x6.05°
	2/3"Format	4.80°x3.12°x3.96°
	1/2"Format	3.65°x2.43°x3.04°
Distortion	<-0.35%	
Magnification	0x~0.43x	
Working Distance	∞~300mm	
Design Wavelength	400~700nm	
Filter Thread	M34x0.5	
Dimension	φ49.8x95.59mm	
Weight	-	



Item No AZURE-M0122XM

Resolution	110 lp/mm	
Format	1.1"	
Mount	C	
F/No	F2.8	
Back Focus	30.21mm	
Iris Type	Manual Iris	
Angle of view (DxVxH)	1.1"Format	11.57°x7.01°x9.33°
	1"Format	10.59°x6.38°x8.49°
	1/1.1"Format	9.27°x5.59°x7.43°
Distortion	<0.2%	
Magnification	-0.10x~-0.22x	
Working Distance	800~410mm	
Design Wavelength	400~700nm	
Filter Thread	M34x0.5	
Dimension	φ43x73.28mm	
Weight	-	



05

Large Format Lenses



F/T mount Line Scan Lenses

Item No	AZURE-2428MF	AZURE-2428MT	AZURE-2828MF	AZURE-2828MT
Resolution	5MP	30lp/mm	30lp/mm	30lp/mm
Format	43mm	43mm	43mm	43mm
Mount	F	M42x1(T)	F	M42x1(T)
Focal Length	24.92mm	24.92mm	28mm	28mm
F/No	F2.8-F16	F2.8-F22	F2.8-F22	F2.8-F22
Back Focus	35.71mm	35.99mm	35.7mm	35.7mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of view (DxVxH)	84°x53°x74°	84°x53°x74°	73.6°x40.5°x45.2°	73.6°x40.5°x45.2°
Distortion	<-2.94%	<-4.2%	<-3%	<-3%
Working Distance	0.15 ~ ∞m	0.15 ~ ∞m	0.3 ~ ∞m	0.3 ~ ∞m
Design Wavelength	400~700nm	400~700nm	400~700nm	400~700nm
Filter Thread	M52x0.75	M52x0.75	M52x0.75	M52x0.75
Dimension	φ60x40.21mm	φ60x40.21mm	φ60x34.17mm	φ60x34.17mm
Weight	230g	200g	220g	170g



Item No	AZURE-3525MF	AZURE-3525MT	AZURE-5018MF	AZURE-5018MT
Resolution	30lp/mm	30lp/mm	5MP	5MP
Format	43mm	43mm	43mm	43mm
Mount	F	M42x1(T)	F	T
Focal Length	35mm	35mm	50mm	50mm
F/No	F2.5-F16	F2.5-F16	F1.8-F22	F1.8-F22
Back Focus	34.35mm	34.35mm	36.33mm	36.33mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of view (DxVxH)	62.4°x37°x53.8°	62.4°x37°x53.8°	46.67°x26.99°x39.6°	46.67°x26.99°x39.6°
Distortion	<-3%	<-3%	<-0.25%	<-0.25%
Working Distance	0.3 ~ ∞m	0.3 ~ ∞m	0.4 ~ ∞m	0.4m ~ ∞
Design Wavelength	400~700nm	400~700 nm	400~700nm	400~700nm
Filter Thread	M52x0.75	M52x0.75	M52x0.75	M52x0.75
Dimension	φ60x43.73mm	φ60x43.73mm	φ60x39.04mm	φ60x39.04mm
Weight	250g	230g	230g	210g



F/T Mount Line Scan Lenses

Item No	AZURE-2528MF	AZURE-2528MT	AZURE-2828MF-I	AZURE-2828MT-I
Resolution	50lp/mm	50lp/mm	50lp/mm	50lp/mm
Format	43mm	43mm	43mm	43mm
Mount	F	M42×1(T)	F	M42×1(T)
Focal Length	25mm	25mm	28mm	28mm
F/No	F2.8~F32	F2.8~F32	F2.8~F32	F2.8~F32
Back Focus	31.5mm	31.5mm	33.46mm	33.46mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of view (D×V×H)	82.30°×51.10°×72.00°	82.30°×51.10°×72.00°	73.6°×44.4°×63.4°	73.6°×44.4°×63.4°
Distortion	<-3.7%	<-3.7%	<-3%	<-3%
Working Distance	0.15m ~ ∞	0.15m ~ ∞	0.3m ~ ∞	0.3m ~ ∞
Design Wavelength	400~700nm	400~700nm	400~700nm	400~700nm
Filter Thread	M55×0.75	M55×0.75	M52×0.75	M52×0.75
Dimension	φ61.4×40.25mm	φ61.4×40.25mm	φ61.4×37.57mm	φ61.4×37.57mm
Weight	320g	300g	290g	270g



Item No	AZURE-3528MF-I	AZURE-3528MT-I	AZURE-5028MF-I	AZURE-5028MT-I
Resolution	50lp/mm	50lp/mm	50lp/mm	50lp/mm
Format	43mm	43mm	43mm	43mm
Mount	F	M42×1(T)	F	M42×1(T)
Focal Length	35mm	35mm	50mm	50mm
F/No	F2.8~F32	F2.8~F32	F2.8~F32	F2.8~F32
Back Focus	34.82mm	34.82mm	33.88mm	33.88mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of view (D×V×H)	61.60°×36.20°×52.60°	61.60°×36.20°×52.60°	46.54°×26.99°×39.60°	46.54°×26.99°×39.60°
Distortion	<-2.8%	<-2.8%	<2.4%	<2.4%
Working Distance	0.3m~∞	0.3m~∞	0.4m~∞	0.4m~∞
Design Wavelength	400~700nm	400~700nm	400~700nm	400~700nm
Filter Thread	M52×0.75	M52×0.75	M52×0.75	M52×0.75
Dimension	φ 61.4×44.41mm	φ 61.4×44.41mm	φ 61.4×44.38mm	φ 61.4×44.38mm
Weight	360g	340g	340g	320g

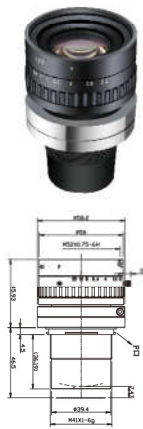


F/T Mount Line Scan Lenses



Item No AZURE-3520MF

Resolution	50lp/mm
Format	43mm
Mount	F
Focal Length	35mm
F/No	F2.0~F22
Back Focus	36.36mm
Iris Type	Manual Iris
Angle of view (D×V×H)	60.57°×36.22°×52°
Distortion	<-0.25%
Working Distance	0.3m ~ ∞
Design Wavelength	400~700nm
Filter Thread	M52×0.75
Dimension	φ65×96.47mm
Weight	620g



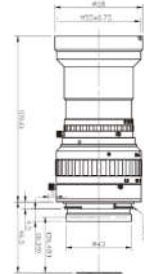
Item No AZURE-5020MF AZURE-5022MF

Resolution	50lp/mm	170lp/mm
Format	43mm	32.6mm
Mount	F	F
Focal Length	50mm	50mm
F/No	F2.0	F2.2~F22
Back Focus	34.49mm	7.47mm
Iris Type	Manual Iris	Manual Iris
Angle of view (D×V×H)	43.94°×25.27°×37.17°	29.22°×20.89°×20.89°
Distortion	<-0.15%	<-0.15%
Working Distance	0.25m ~ ∞	0.32~0.38
Design Wavelength	400~700nm	400~700nm
Filter Thread	M52×0.75	M52×0.75
Dimension	φ69×90.41mm	φ58.2×45.93mm
Weight	740g	371.61g

3CMOS Camera Lenses

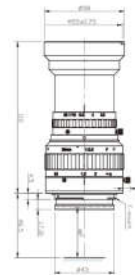
Item No AZURE-2428TLS

Resolution	70lp/mm	
Format	1.8"	
Mount	F/M52×1	
Focal Length	24mm	
F/No	F2.8	
Back Focus	36.48mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	1.8"Format	61.96°×37.2°×53.56°
	4/3"Format	50.23°×31.42°×41.11°
	1"Format	36.87°×22.62°×29.86°
Distortion	<0.5%	
Working Distance	0.3~∞m	
Design Wavelength	400~700nm	
Filter Thread	M55×0.75	
Dimension	φ58×109.61mm	
Weight	589g	



Item No AZURE-2828TLS

Resolution	70lp/mm	
Format	1.8"	
Mount	F/M52×1	
Focal Length	28mm	
F/No	F2.8	
Back Focus	36.310mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	1.8"Format	55.6°×32.8°×47.6°
	4/3"Format	43.78°×27.11°×35.64°
	1"Format	31.89°×19.46°×25.75°
Distortion	<-0.4%	
Working Distance	0.5~∞m	
Design Wavelength	400~700nm	
Filter Thread	M55×0.75	
Dimension	φ58×110mm	
Weight	611g	



Item No AZURE-3528TLS

Resolution	70lp/mm	
Format	1.8"	
Mount	F/M52×1	
Focal Length	35mm	
F/No	F2.8	
Back Focus	36.569mm	
Iris Type	Manual Iris	
Angle of view (D×V×H)	1.8"Format	46°×26.6°×39.2°
	4/3"Format	35.64°×21.83°×28.84°
	1"Format	25.75°×15.62°×20.57°
Distortion	<0.3%	
Working Distance	0.5~∞m	
Design Wavelength	400~700nm	
Filter Thread	M52×0.75	
Dimension	φ56.6×108.7mm	
Weight	809g	



V38 Mount Lenses Series

Item No	ELS-28/2.8V			ELS-35/2.6V		
Resolution	40lp/mm			40lp/mm		
Focal Length(mm)	28			35		
Magnification	0.04X	0.1X	0.33X	0.04X	0.1X	0.33X
Working Distance(mm)	734.08	294.58	90.37	879.70	357.40	114.71
O/I distance(mm)	788.88	351.14	153.67	940.34	420.13	185.45
Working # (fullopen)	3.11	3.1	3.1	2.68	2.67	2.67
F/No	2.8			2.6		
D O F	+/-48.59	+/-7.775	+/-0.71	+/-41.88	+/-6.68	+/-0.61
Distortion	0.02%	-0.5%	-1.5%	-0.5%	0.16%	0.5%
Back Focus(mm)	21.13	22.89	29.52	25.51	27.59	35.51
Format(mm)	30			30		
Filter Thread	M37 x 0.75			M37 x 0.75		
Flange distance	26.30	28.06	34.80	32.14	34.23	42.24
Weight	89g			97g		



Item No	ELS-40/2.8V			ELS-45/2.8V		
Resolution	40lp/mm			7μm(6K)		
Focal Length(mm)	40			45		
Magnification	0.04X	0.1X	0.33X	0.04X	0.09X	0.33X
Working Distance(mm)	1053.95	431.15	141.76	1200	525	150
O/I distance(mm)	1122.22	501.91	222.07	1285	610	245.89
Working # (fullopen)	2.98	3.14	3.78	2.85	2.92	3.24
F/No	2.8			2.8		
D O F	+/-46.56	+/-7.85	+/-0.87	14.25	2.88	0.24
Distortion	-0.5%	-0.2%	0.2%	-	-2.88%	-
Back Focus(mm)	34.35	36.8	46.25	36.329	38.722	49.59
Format(mm)	43			43mm(6k)		
Filter Thread	M37 x 0.75			M43 x 0.75		
Flange distance	39.77	42.26	51.81	-	50	-
Weight	90g			-		



Item No	ELS-45/4.0V			ELS-50/4.0V			ELS-60/4.0V		
Resolution	40lp/mm			40lp/mm			40lp/mm		
Focal Length(mm)	45			50			60		
Magnification	0.04X	0.17X	0.33X	0.08X	0.17X	0.34X	0.04X	0.17X	0.33X
Working Distance(mm)	1183.48	299.35	160.45	631.37	327.15	176.40	1532.61	393.81	215.24
O/I distance(mm)	1257.69	379.47	248.30	703.04	406.03	263.72	1618.82	487.71	319.19
Working # (fullopen)	4.23	4.72	5.37	3.09	3.33	3.81	4.19	4.67	5.3
F/No	4			2.985			4.137		
D O F	+/-66.09	+/-4.23	+/-1.21	+/-11.21	+/-2.99	+/-0.85	+/-64.82	+/-4.14	+/-1.18
Distortion	-0.2%	-0.1%	0.15%	0.4%	0.15%	-0.2%	0.4%	0.1%	-0.15%
Back Focus(mm)	39.88	45.7	53.34	39.31	43.44	51.78	51.7	59.29	69.26
Format(mm)	43			43			60		
Filter Thread	M37 x 0.75			M37 x 0.75			M37 x 0.75		
Flange distance	44.21	50.12	57.84	46.17	50.38	58.82	55.7	63.4	73.45
Weight	89g			94g			94g		

V38 Mount Lenses Series

Item No	ELS-80/4.0V			ELS-90/4.5V		
Resolution	6K			40lp/mm		
Focal Length(mm)	80			90		
Magnification	0.08X	0.17X	0.33X	0.08X	0.17X	0.33X
Working Distance(mm)	1026	543.3	303	1160.82	607.41	333.99
O/I distance(mm)	1129.73	653.74	427.03	1283.40	737.66	479.49
Working # (fullopen)	4.37	4.7	5.34	4.98	5.35	6.09
F/No	4			4.796		
D O F	+/-15.71	+/-4.213	+/-1.2	+/-18.07	+/-4.80	+/-1.36
Distortion	-	<0.2%	-	0.3%	-0.02%	-0.25%
Back Focus(mm)	-	62.55	-	74.24	81.91	96.98
Format(mm)	78			90		
Filter Thread	M37 x 0.75			M37 x 0.75		
Flange distance	84.21	90.93	104.28	94.08	101.75	117.00
Weight	135g			122g		



Item No	ELS-100/5.6V			ELS-120/5.6V-0.3X		
Resolution	40lp/mm			40lp/mm		
Focal Length(mm)	100			120		
Magnification	0.08X	0.17X	0.33X	0.26X	0.32X	0.38X
Working Distance(mm)	1305.66	691.29	384.42	546.65	460.91	402.24
O/I distance(mm)	1438.54	832.69	542.85	723.3	664.76	593.29
Working # (fullopen)	6.08	6.57	7.52	7.15	7.49	7.83
F/No	5.6			5.6		
D O F	+/-21.93	+/-5.92	+/-1.69	+/-2.62	+/-1.81	+/-1.34
Distortion	0.15%	0.08%	-0.06%	0.03%	-0.02%	-0.05%
Back Focus(mm)	88.07	96.59	113.61	123.51	130.71	137.91
Format(mm)	100			90		
Filter Thread	M37 x 0.75			M40.5 x 0.5		
Flange distance	104.38	112.90	129.93	144.15	151.35	158.55
Weight	106.5g			151g		



Item No	ELS-120/5.6V-0.5X			ELS-120/5.6V-0.75X		
Resolution	40lp/mm			40lp/mm		
Focal Length(mm)	120			120.69		
Magnification	0.38X	0.50X	0.63X	0.5X	0.75X	1.00X
Working Distance(mm)	410.33	330.46	282.54	336.63	255.77	215.38
O/I distance(mm)	601.13	536.39	503.61	545.36	494.82	484.73
Working # (fullopen)	7.8	8.51	9.22	8.81	10.38	11.17
F/No	5.6			5.6		
D O F	+/-1.37	+/-0.842	+/-0.58	+/-0.88	+/-0.461	+/-0.28
Distortion	0.06%	0.01%	-0.03%	0.11%	0.02%	0.035%
Back Focus(mm)	137.27	152.40	167.54	148.30	176.63	208.93
Format(mm)	90			90		
Filter Thread	M40.5 x 0.5			M40.5 x 0.5		
Flange distance	158.31	173.43	188.57	173.63	203.95	234.25
Weight	145g			173.8g		



Item No	ELS-120/5.6V-1.0X		
Resolution	40lp/mm		
Focal Length(mm)	120.69		
Magnification	0.88X	1.00X	1.13X
Working Distance(mm)	228.86	211.61	198.20
O/I distance(mm)	479.95	477.79	479.47
Working #(fullopen)	10.56	11.26	11.97
F/No	5.6		
D O F	+/-0.34	+/-0.28	+/-0.24
Distortion	0%		
Back Focus(mm)	199.04	214.13	229.21
Format(mm)	90		
Filter Thread	M40.5x0.5		
Flange distance	218.59	233.68	248.76
Weight	148g		



V45 Mount Lenses Series

Item No	ELS-50/2.8V16K			ELS-85/4.5V16K		
Resolution	40lp/mm			100lp/mm		
Focal Length(mm)	51			85		
Magnification	3.00X	3.50X	4.00X	0.5X	1.00X	2.00X
Working Distance(mm)	18.03	15.61	65	223.35	138.35	95.85
O/I distance(mm)	238.70	261.66	285.23	381.55	339.05	381.55
Working #(fullopen)	10.3	11.52	12.73	6.84	9.14	13.77
F/No	2.8			4.5		
D O F	+/-0.03	+/-0.02	+/-0.02	+/-0.27	+/-0.09	+/-0.03
Distortion	0.2%	0.005%	-0.1%	0.3%	0.0025%	-0.08%
Back Focus(mm)	75.55	100.93	126.31	99.28	141.78	226.78
Format(mm)	68			68		
Filter Thread	M49x0.75			M52x0.75		
Flange distance	169.47	194.85	220.23	110.50	153.00	238.00
Weight	232.14			-		



Item No	ELS-95/3.9V16K			ELS-95/4.5V16K		
Resolution	100lp/mm			100lp/mm		
Focal Length(mm)	95			95		
Magnification	0.21X	0.23X	0.26X	0.03X	0.07X	0.17X
Working Distance(mm)	504.58	465.16	417.39	3250.92	1430.73	627.70
O/I distance(mm)	648.73	611.21	566.30	3370.60	1554.23	760.76
Working #(fullopen)	4.89	4.98	5.11	4.74	4.93	5.42
F/No	3.9			4.5		
D O F	+/-1.11	+/-0.94	+/-0.76	+/-52.67	+/-10.06	+/-1.88
Distortion	0.3%	0.07%	-0.17%	0.2%	0.069%	-0.12%
Back Focus(mm)	62.61	64.52	67.37	66.57	70.39	79.95
Format(mm)	68			68		
Filter Thread	M55x0.75			M55x0.75		
Flange distance	79.99	81.90	84.75	79.87	83.69	93.25
Weight	445g			271g		



V45 Mount Lenses Series



Item No	ELS-96/3.5V16K			ELS-96/3.7V16K		
Resolution	100lp/mm			100lp/mm		
Focal Length(mm)	96			96		
Magnification	0.37X	0.35X	0.33X	0.27X	0.29X	0.315X
Working Distance(mm)	340.31	323.74	308.96	408.43	384.02	357.86
O/I distance(mm)	491.84	477.18	464.32	551.14	528.63	504.87
Working #(fullopen)	4.87	4.95	5.04	4.91	4.99	5.09
F/No	3.5			3.7		
DOF	+/-0.45	+/-0.4	+/-0.37	+/-0.67	+/-0.59	+/-0.51
Distortion	0.08%	0.005%	-0.06%	0.1%	0.0025%	-0.04%
Back Focus(mm)	77.77	79.68	81.59	79.81	81.72	84.11
Format(mm)	68			68		
Filter Thread	M52x0.75			M52x0.75		
Flange distance	92.83	94.75	96.66	85.81	87.72	90.11
Weight	338g			364g		



Item No	ELS-97/3.2V16K			ELS-98/3.3V16K		
Resolution	80lp/mm			80lp/mm		
Focal Length(mm)	97			98		
Magnification	0.47X	0.5X	0.53X	0.67X	0.7X	0.74X
Working Distance(mm)	265.37	252.99	242.00	199.32	193.06	185.50
O/I distance(mm)	429.51	420.04	411.97	383.20	379.88	376.23
Working #(fullopen)	5.26	5.39	5.52	6.39	6.53	6.71
F/No	3.2			3.3		
DOF	+/-0.34	+/-0.31	+/-0.28	+/-0.2	+/-0.19	+/-0.17
Distortion	0.04%	0.02%	-0.03%	0.07%	0.027%	-0.05%
Back Focus(mm)	96.06	98.97	101.88	115.09	118.03	121.95
Format(mm)	62			62		
Filter Thread	M52x0.75			M52x0.75		
Flange distance	105.44	108.35	111.26	125.18	128.12	132.04
Weight	300g			315g		

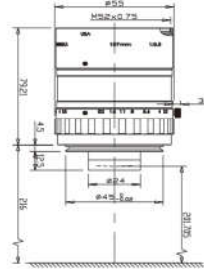


Item No	ELS-99/3.0V16K			ELS-106/3.2V16K		
Resolution	80lp/mm			40lp/mm		
Focal Length(mm)	99			105.7		
Magnification	1.08X	1.14X	1.20X	1.90X	2.00X	2.10X
Working Distance(mm)	147.86	143.04	138.71	106.20	103.42	100.90
O/I distance(mm)	378.23	379.34	380.93	413.87	421.66	429.71
Working #(fullopen)	8	8.29	8.56	22.46	23.47	24.48
F/No	3			3.2		
DOF	+/-0.1	+/-0.09	+/-0.08	+/-0.16	+/-0.15	+/-0.14
Distortion	0.5%	0.029%	-0.07%	0.06%	0.05%	-0.03%
Back Focus(mm)	152.78	158.71	164.64	221.52	232.09	242.66
Format(mm)	82			82		
Filter Thread	M52x0.75			M52x0.75		
Flange distance	164.12	170.05	175.98	225.37	235.94	246.51
Weight	390g			378g		

V45 Mount Lenses Series

Item No **ELS-107/3.3V16K**

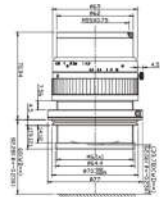
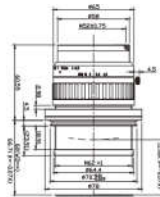
Resolution	40lp/mm		
Focal Length(mm)	107		
Magnification	1.65X	1.75X	1.85X
Working Distance(mm)	161.80	158.09	154.79
O/I distance(mm)	446.31	453.30	460.70
Working # (fullopen)	20.38	21.4	22.44
F/No	3.3		
D O F	+/-0.19	+/-0.17	+/-0.16
Distortion	0.06%	0.05%	0.05%
Back Focus(mm)	191.01	201.71	212.41
Format(mm)	82		
Filter Thread	M52x0.75		
Flange distance	205.30	216.00	226.70
Weight	377g		



V70 Mount Lenses Series

Item No **ELS-96/4.5V16K-0.07X** **ELS-98/4.0V16K-0.23X**

Resolution	100lp/mm			100lp/mm		
	98			98		
Focal Length(mm)	98			98		
Magnification	0.05X	0.07X	0.12X	0.21X	0.23X	0.26X
Working Distance(mm)	849	1418.8	1966.5	310	325.4	347
O/I distance(mm)	2097.8	1552	986.86	656.56	618	571.93
Working # (fullopen)	4.66	4.75	4.97	4.8	4.88	5
F/No	4.5			4.0		
D O F	52.192	27.143	9.664	3.048	2.583	2.071
Distortion	<0.04%			<0.01%		
Back Focus(mm)	44.4			39.78		
Format(mm)	63			62		
Filter Thread	M52x0.75			M55x0.75		
Flange distance	64.77	66.7	71.45	80.34	82.28	85.19
Weight	-			-		



V70 Mount Lenses Series



Item No	ELS-99/3.3V16K-0.5X			ELS-99/3.3V16K-0.7X		
Resolution	100lp/mm			100lp/mm		
Focal Length(mm)	99			99		
Magnification	0.47X	0.5X	0.53X	0.67X	0.7X	0.74X
Working Distance(mm)	235.5	246.7	259	408.43	384.02	206.9
O/I distance(mm)	43.71	425.02	416.75	393.4	390	386.28
Working #(fullopen)	4.95	5.06	5.17	6.13	6.26	6.43
F/No	3.3			3.3		
DOF	0.627	0.567	0.515	0.382	0.358	0.329
Distortion	0.005%			<-0.02%		
Back Focus(mm)	79.68			34.98		
Format(mm)	62			62		
Filter Thread	M52x0.75			M52x0.75		
Flange distance	107.13	110	113.03	116.95	119.9	123.81
Weight	-			-		

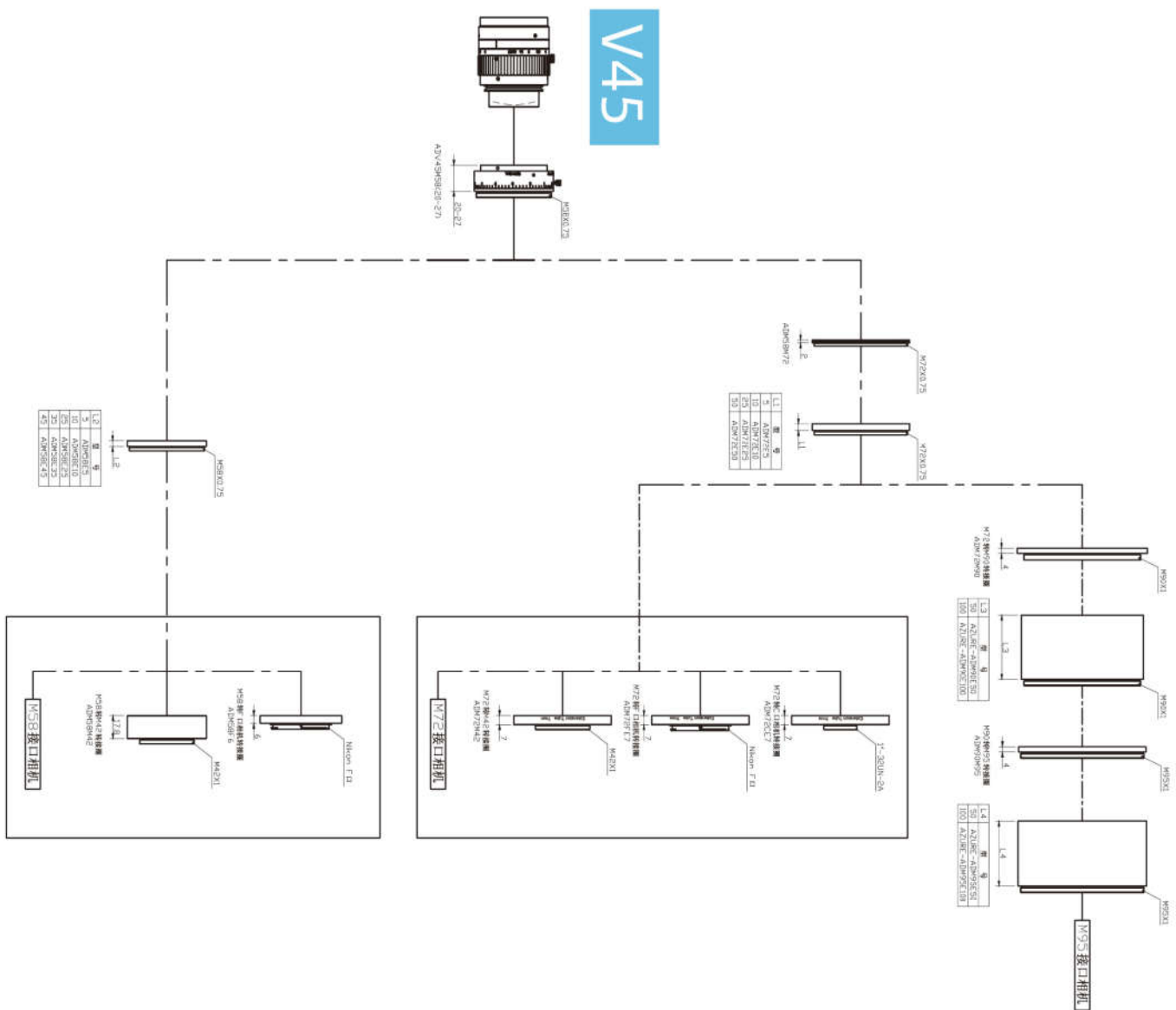


Item No	ELS-99/2.9V16K-0.88X			ELS-99/2.8V16K-1.14X		
Resolution	100lp/mm			100lp/mm		
Focal Length(mm)	99			99		
Magnification	0.82X	0.88X	0.92X	0.27X	0.29X	0.31X
Working Distance(mm)	163	167.9	175.5	137.6	141.8	146.8
O/I distance(mm)	385.73	383.51	382.48	378.85	380	381.52
Working #(fullopen)	6.8	7.06	7.26	6.8	7.03	7.24
F/No	2.9			2.8		
DOF	0.283	0.255	0.24	0.163	0.151	0.141
Distortion	<-0.02%			<-0.02%		
Back Focus(mm)	34.3			28.35		
Format(mm)	62			62		
Filter Thread	M52x0.75			M52x0.75		
Flange distance	130.378	135.79	136.62	156.69	162.91	168.53
Weight	-			-		

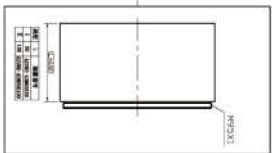
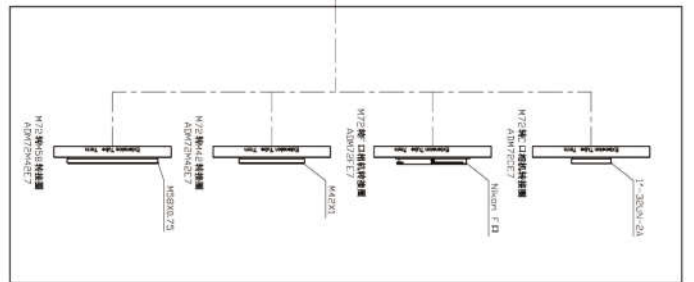
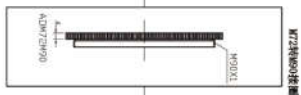
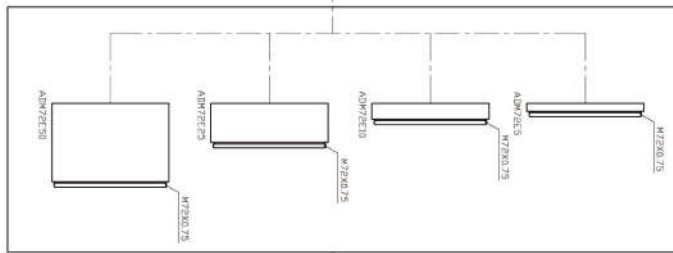
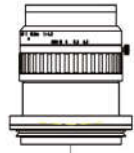


Item No	ELS-98/3.5V16K-0.29X			ELS-98/3.5V16K-0.35X		
Resolution	100lp/mm			100lp/mm		
Focal Length(mm)	98			98		
Magnification	0.27X	0.29X	0.31X	0.32X	0.35X	0.37X
Working Distance(mm)	354	380.9	406	310	325.4	347
O/I distance(mm)	563.14	540.02	515.59	508.28	489	475.72
Working #(fullopen)	4.87	4.06	5.06	4.92	5.03	5.12
F/No	3.5			3.5		
DOF	1.87	1.651	1.474	1.345	1.15	1.047
Distortion	<0.03%			<0.02%		
Back Focus(mm)	45.63			44.46		
Format(mm)	62			62		
Filter Thread	M55x0.75			M62x0.75		
Flange distance	86.12	88.06	90.49	91.34	93.77	95.72
Weight	-			-		

Adapters for V Mount lens



V70





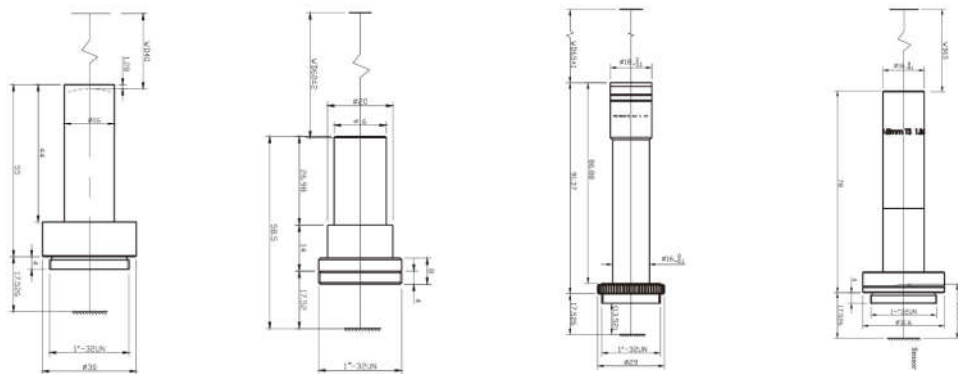
06

Telecentric Lenses

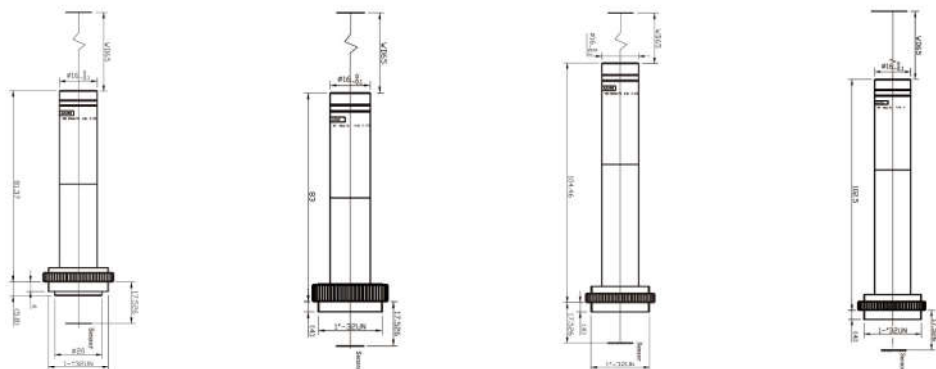


Telecentric Lenses Series

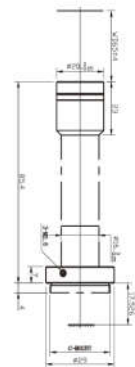
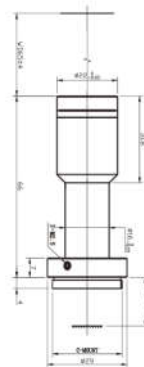
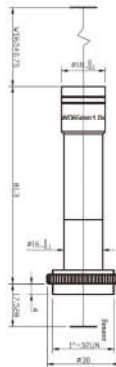
Item No	AZURE-4020THM	AZURE-60033TSM	AZURE-6508TSM	AZURE-6515TSM
Working Distance	40mm	60mm	65mm	65mm
Magnification	2.0X	0.33X	0.8X	1.5X
Format	1/2"	1/2"	1/2"	1/2"
Mount	C	C	C	C
Effective F/No.	21.08	8.22	14.9	15.5
FOV(H×V)	3.2×2.4mm	19.39×14.55mm	8×6mm	4.27×3.2mm
Depth of Filed	0.4mm	6mm	1.8mm	0.6mm
Distortion	<0.1%	<-0.014%	<0.03%	<0.003%
Dimention	φ30×55mm	φ20×30.98mm	φ18×91.37mm	φ16×78mm
Weight	38g	29g	60g	47.5g



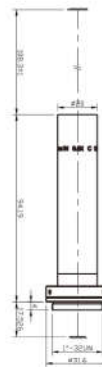
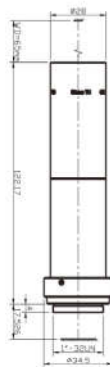
Item No	AZURE-6520TSM	AZURE-6530TSM	AZURE-6540TSM	AZURE-6550TSM
Working Distance	65mm	65mm	65mm	65mm
Magnification	2.0X	3.0X	4.0X	5.0X
Format	1/2"	1/2"	1/2"	1/2"
Mount	C	C	C	C
Effective F/No.	17.3	21.9	27.4	34.07
FOV(H×V)	3.2×2.4mm	2.13×1.6mm	1.6×1.2mm	1.6×0.96mm
Depth of Filed	0.3mm	0.2mm	0.14mm	0.109mm
Distortion	<0.01%	<0.01%	<0.003%	<0.008%
Dimention	φ16×81.37mm	φ16×83mm	φ16×104.46mm	φ16×102.5mm
Weight	53g	53g	-	-



Item No	AZURE-6505THM	AZURE-6510TSM	AZURE-6510TSMH	AZURE-6515TSMH
Working Distance	65mm	65mm	65mm	65mm
Magnification	0.5X	1.0X	1.0X	1.5X
Format	2/3"	2/3"	2/3"	2/3"
Mount	C	C	C	C
Effective F/No.	9.5	18.6	16.7	18.5
FOV(H×V)	17.6×13.2mm	8.8×6.6mm	8.8×6.6mm	5.87×4.4mm
Depth of Filed	3mm	1.5mm	1.3mm	1.5mm
Distortion	<0.03%	<0.003%	<0.03%	<0.002%
Dimension	φ32×90.5mm	φ18×81.3mm	φ22×66mm	φ20×85.4mm
Weight	100g	49.5g	-	-

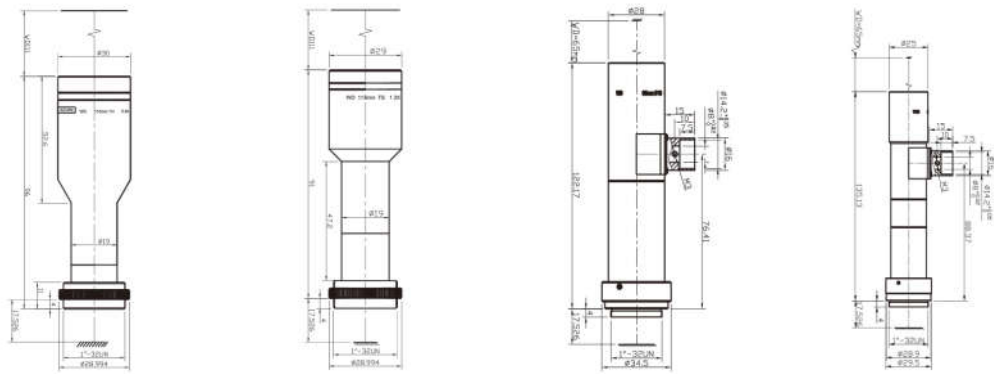


Item No	AZURE-6540THLM	AZURE-6560THLM	AZURE-11008THM	AZURE-11005THM
Working Distance	65mm	65mm	110mm	107mm
Magnification	4.0X	6.0X	0.8X	0.5X
Format	1.1"	1.1"	1/2"	2/3"
Mount	C	C	C	C
Effective F/No.	17.74	26.6	16.7	9.6
FOV(H×V)	3.52×2.64mm	2.93×1.76mm	8.01×6mm	17.6×13.2mm
Depth of Filed	0.09mm	0.059mm	2.09mm	3.0mm
Distortion	<-0.08%	<0.03%	<0.02%	<0.016%
Dimension	φ28×122.17mm	φ25×135.13mm	φ31.6×94.19mm	φ34×146mm
Weight	193g	156.2g	101.8g	143g

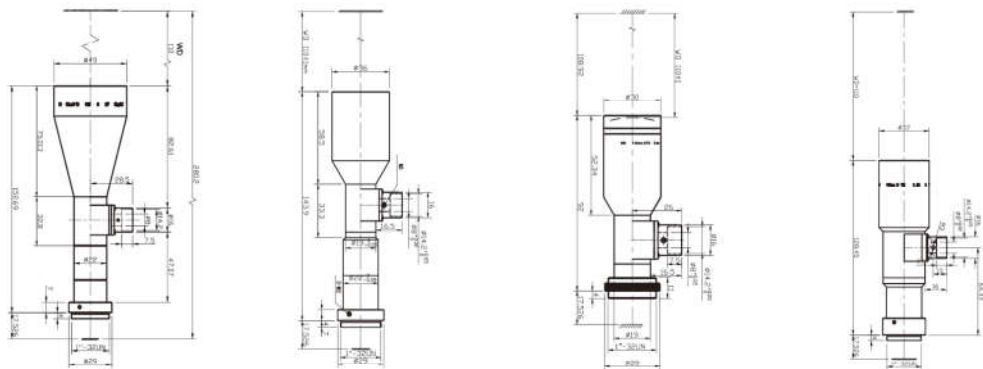


Telecentric Lenses Series

Item No	AZURE-11008TSM	AZURE-11010TSM	AZURE-6540THLMD	AZURE-6560THLMD
Working Distance	111mm	111mm	65mm	65mm
Magnification	0.8X	1.0X	4.0X	6.0X
Format	2/3"	2/3"	1.1"	1.1"
Mount	C	C	C	C
Effective F/No.	10.8	11.1	17.74	26.6
FOV(H×V)	11×8.25mm	8.8×6.6mm	3.52×2.64mm	2.93×1.76mm
Depth of Filed	1.3mm	0.9mm	0.09mm	0.059mm
Distortion	<0.06%	<0.006%	<-0.08%	<-0.03%
Dimension	φ30×96mm	φ29×91mm	φ28×122.17mm	φ25×135.13mm
Weight	114.5g	94g	-	-

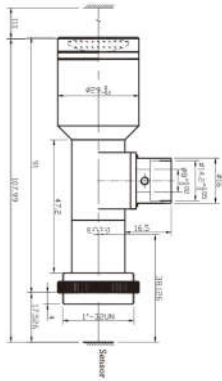


Item No	AZURE-11003TH5MD	AZURE-11004TH5MD	AZURE-11008TSM	AZURE-11015TH10MD
Working Distance	110mm	110mm	110mm	110mm
Magnification	0.3X	0.4X	0.8X	1.5X
Format	2/3"	2/3"	2/3"	1.1"
Mount	C	C	C	C
Effective F/No.	7.14	6.6	11.12	9.4
FOV(H×V)	29.3×22mm	22×16.5mm	11×8.25mm	9.4×7.04mm
Depth of Filed	6.35mm	3.2mm	1.39mm	0.33mm
Distortion	<0.04%	<0.01%	<-0.06%	<0.08%
Dimension	φ49×152.69mm	φ36×143.89mm	φ30×92mm	φ37×128.45mm
Weight	-	180g	-	-



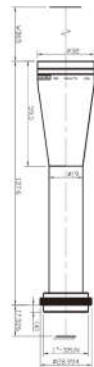
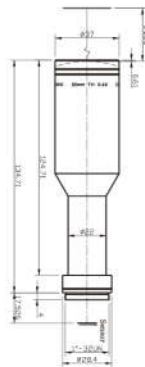
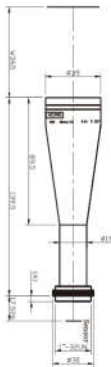
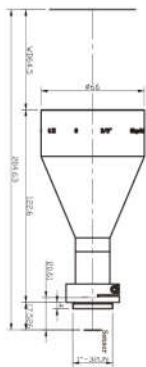
Item No AZURE-11010TSM

Working Distance	111mm
Magnification	1.0X
Format	2/3"
Mount	C
Effective F/No.	11.1
FOV(HxV)	8.8x6.6mm
Depth of Filed	0.9mm
Distortion	<0.006%
Dimention	φ29x91mm
Weight	-



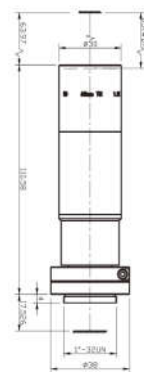
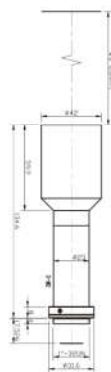
Item No AZURE-6502TH5M AZURE-6503TH5M AZURE-6504TH5M AZURE-6505TH5M

Working Distance	65mm	65mm	65mm	65mm
Magnification	0.2X	0.3X	0.4X	0.5X
Format	2/3"	2/3"	2/3"	2/3"
Mount	C	C	C	C
Effective F/No.	7.14	8.3	5.7	7.0
FOV(HxV)	44x33mm	29.33x22mm	22x16.5mm	17.6x13.2mm
Depth of Filed	15mm	7.4mm	2.85mm	2.2mm
Distortion	<0.041%	<0.03%	<0.08%	<0.03%
Dimention	φ66x122.6mm	φ39x143.5mm	φ37x134.7mm	φ32x137.6mm
Weight	227.6g	121.5g	-	99.5g

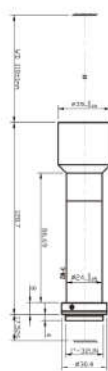


Telecentric Lenses Series

Item No	AZURE-6505TH10M	AZURE-6507TH5M	AZURE-6515TH10M	AZURE-11004TH5M
Working Distance	65mm	65mm	65mm	110mm
Magnification	0.5X	0.7X	1.5X	0.4X
Format	1"	2/3"	1"	2/3"
Mount	C	C	C	C
Effective F/No.	6.8	8.5	7.5	6.6
FOV(H×V)	25.6×19.2mm	12.57×9.43mm	8.53×6.4mm	22×16.5mm
Depth of Filed	2.2mm	1.4mm	0.27mm	3.2mm
Distortion	<0.003%	<0.017%	<0.15%	<0.01%
Dimension	φ42×134.6mm	φ26×133.9mm	-	φ36×143.89mm
Weight	-	160g	-	180g

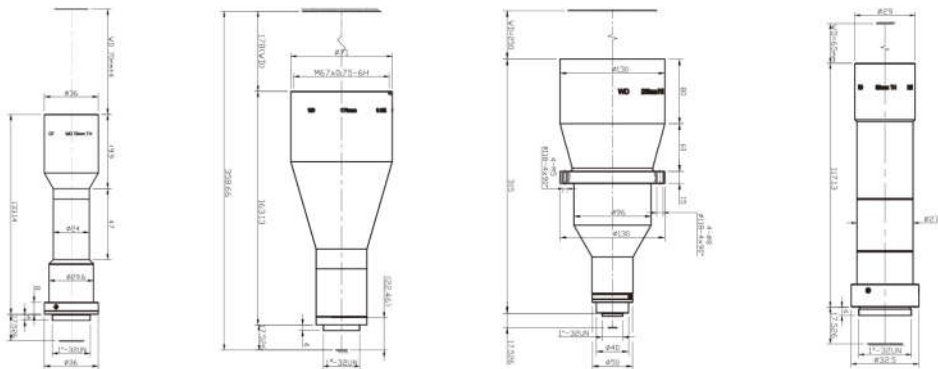


Item No	AZURE-11010TH10M
Working Distance	110mm
Magnification	1.0X
Format	1"
Mount	C
Effective F/No.	8
FOV(H×V)	12.8×9.6mm
Depth of Filed	0.63mm
Distortion	<0.01%
Dimension	φ35×128.7mm
Weight	-



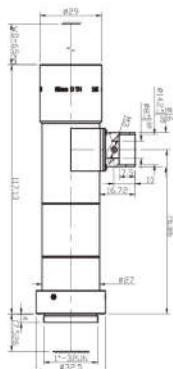
Item No AZURE-DT70064M10M AZURE-DT1780145M5M AZURE-DT25001M5M AZURE-DT6520M10M

Working Distance	74mm	178mm	250mm	65mm
Magnification	0.64X	0.145X	0.1X	2.0X
Format	1"	1/2"	2/3"	1.1"
Mount	C	C	C	C
Effective F/No.	9.67	6	8	8.88
FOV(HxV)	20.3x15.04mm	44.14x33.1mm	88x66mm	8.5x5.1mm
Depth of Field	1.3mm	33.5mm	85mm	0.18mm
Distortion	<0.04%	<0.05%	<0.03%	<-0.027%



Item No AZURE-DT6520M10MD

Working Distance	65mm
Magnification	2.0X
Format	1.1"
Mount	C
Effective F/No.	8.88
FOV(HxV)	6.8x5.1mm
Depth of Field	0.18mm
Distortion	<-0.027%





07

M12 Lenses



M12 Lenses Series

2/3" Format Lenses Series



Item No	AZURE-0640MAC-I	AZURE-0840MAC-I	AZURE-1228MAC	AZURE-1622MAC	AZURE-2525MAC
Resolution	2MP	2MP	10MP	10MP	10MP
Format	2/3"	2/3"	2/3"	2/3"	2/3"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	6mm	8mm	12mm	16mm	25mm
F/No	4.0	4.0	2.8	2.2	2.5
Back Focus	6.35mm	8.008mm	4.78mm	7.09mm	8.37mm
Iris Type	Fixed Iris	Fixed Iris	Manual Iris	Fixed Iris	Fixed Iris
Angle of View(D×V×H)	83.8°×50.5°×67.25°	68.03°×40.99°×54.57°	43.4°×26.9°×35.3°	32.6°×20°×26.3°	22.3°×13.52°×17.94°
Distortion	<-1.58%	<-0.57%	<0.17%	<2.5%	<0.5%
Working Distance	0.3m	0.2-∞m	0.2m	0.2m	0.25m
Design Wavelength	400~700nm	400~700nm	400~950nm	400~950nm	400~950nm
Dimension	φ25 × 25.12mm	φ22 × 21.49mm	φ14 × 14.69mm	φ14 × 14.65mm	φ17 × 21.8mm
Weight	-	-	5g	4g	5g



Item No	AZURE-F1225FM	AZURE-F1620FM	AZURE-F2520FM-I	AZURE-F3528MAC	AZURE-F5040MAC
Resolution	10MP	10MP	10MP	10MP	10MP
Format	2/3"	2/3"	2/3"	2/3"	2/3"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	12mm	16mm	25mm	35mm	50mm
F/No	2.5	2.0	2.0	2.8	4.0
Back Focus	6.53mm	4.22mm	8.47mm	20.56mm	29.86mm
Iris Type	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angle of View(D×V×H)	49.8°×31°×40.6°	36.13°×22.48°×29.48°	24.81°×15.04°×20°	17.94°×10.8°×14.36°	12.58°×7.56°×10.08°
Distortion	<-1.0%	<2.8%	<-0.17%	<-0.35%	<-0.25%
Working Distance	∞m	∞m	∞m	∞m	32m
Design Wavelength	400~950nm	400~700nm	400~950nm	400~950nm	400~950nm
Dimension	φ14 × 11.8mm	φ14 × 14.69mm	φ20 × 23.1mm	φ22 × 28.67mm	φ22 × 60.9mm
Weight	3.2g	-	-	16.24g	21g



Item No	AZURE-1217MAC	AZURE-1620MAC	AZURE-2520MAC5M	AZURE-1240MAC-3	AZURE-1640MAC-2
Resolution	MP	MP	5MP	5MP	5MP
Format	2/3"	2/3"	2/3"	2/3"	2/3"
Mount	M12x0.5	M12x0.5	M12x0.5	M12x0.5	M12x0.5
Focal Length	12mm	16mm	25mm	12mm	16mm
F/No	1.7	2.0	2.0	4.0	4.0
Back Focus	7.29mm	6.79mm	9.8mm	6.95mm	8.07mm
Iris Type	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angle of view(DxVxH)	45.6°x 28.31°x37.17°	32.6°x 20°x26.4°	18.6°x 11.22°x14.93°	44.93°x 27.79°x36.56°	36.03°x 22.01°x29.1°
Distortion	<-0.85%	<-0.3%	<-0.17%	<-0.48%	<-0.44%
Working Distance	0.1m	0.14m	0.11m	0.2m	0.2m
Design Wavelength	660nm	660nm	660nm	400-700nm	400-700nm
Dimension	φ14x19.97mm	φ18x18.59mm	φ16x30.75mm	φ14x13.69mm	φ14x16.31mm
Weight	3g	3g	2.5g	-	-

1/1.8" Format Lenses Series



Item No	AZURE-05525FM	AZURE-05516MAC	AZURE-0625SMAC	AZURE-0620MAC	AZURE-0825MAC
Resolution	3MP	2MP	5MP	2MP	3MP
Format	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"
Mount	M12x0.5	M12x0.5	M12x0.5	M12	M12x0.5
Focal Length	5.5mm	5.5mm	6mm	6mm	8mm
F/No	2.5	1.6	2.5	2.0	2.5
Back Focus	5.75mm	5.69mm	7.402mm	9.28mm	7.26mm
Iris Type	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris
Angle of View(DxVxH)	77.66°x 51.3°x66.2°	75°x 50.22°x63.85°	72°x 47.2°x61.2°	74.87°x 44.91°x59.88°	57.52°x 36.82°x47.8°
Distortion	<-1.8%	<2.1%	<-2.0%	<6.5%	<-0.33%
Working Distance	3m	0.2m	0.2m	0.2m	0.3m
Design Wavelength	400~700nm	400~950nm	400~950nm	400~950nm	400~950nm
Dimension	φ17x20.7mm	φ15x19.56mm	φ17x22.97mm	φ19x23.17mm	φ14x17.41mm
Weight	-	5g	9g	9g	-

M12 Lenses Series

1/1.8" Format Lenses Series



Item No	AZURE-0825SMAC	AZURE-0930SMAC	AZURE-1225SMAC	AZURE-1625SMAC	AZURE-2530SMAC
Resolution	5MP	3MP	5MP	5MP	5MP
Format	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"
Mount	M12×0.5	M12×0.5	M12×0.5	M12×0.5	M12×0.5
Focal Length	8.5mm	9.7mm	12mm	16mm	25mm
F / No	2.5	3.0	2.5	2.5	3.0
Back Focus	6.5mm	7.005mm	6.48mm	5.2mm	6.31mm
Angle of View (D×V×H)	54°× 33.8°×44.6°	52.3°× 31.63°×42.04°	37.6°× 22.96°×30.6°	27.8°× 16.7°×22.4°	18.64°× 11.14°×15°
Distortion	<-0.5%	<-6%	<-0.2%	<-0.1%	<-0.1%
Working Distance	0.1m~1m	0.85m	0.2m	0.1m~∞m	0.1m~1m
Dimension	φ14×21.5mm	φ12×15.85mm	φ14×13.39mm	φ14×20.4mm	φ14×22mm
Weight	-	-	4.8g	-	-

1/2.3" Format Lenses Series

Item No	AZURE-IR01514B5M	AZURE-04516MAC	AZURE-IR04645B10M	AZURE-IR0818B5M
Resolution	5MP	2MP	10MP	5MP
Format	1/2.3"	1/2.3"	1/2.3"	1/2.3"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	1.5mm	4.5mm	4.55mm	8mm
F / No	1.4	1.6	4.5	2.0
Back Focus	5.2mm	3.0mm	5.25mm	7.5mm
Angle of View (D×V×H)	174°(D)	80.4°(D)	90.4°(D)	61.5°×34.9°×47.6°
Distortion	<-92.2%	<-3.5%	<-2%	<-17.44%
Working Distance	0.5m~∞m	1m	-	-
Dimension	φ47.5 × 68.8mm	φ18 × 25.5mm	φ14 × 22.3mm	φ14 × 21.2mm
Weight	200g	9g	8g	-

M12 Lenses Series

1/2" Format Lenses Series

1/2.5" Format Lenses Series

Item No AZURE-IR1228B5M

Resolution	5MP
Format	1/2"
Mount	M12 × 0.5
Focal Length	12mm
F / No	2.8
Back Focus	8.567mm
Angle of View (D×V×H)	40°× 24°×32°
Distortion	<-1.78%
Working Distance	∞m
Dimension	φ14 × 10.2mm

Item No AZURE-IR02424B5M AZURE-IR02916B5M AZURE-IR03040B5M

Resolution	5MP	5MP	5MP
Format	1/2.5"	1/2.5"	1/2.5"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	2.35mm	2.9mm	2.97mm
F / No	2.4	1.6	4.0
Back Focus	4.95mm	5.01mm	3.5mm
Angle of View (D×V×H)	139°×83.6°×111.5°	140°×84°×112°	102°(D)
Distortion	<-50%	<-58.16%	<1%
Working Distance	-	∞m	-
Dimension	φ17 × 22.98mm	φ17 × 25.3mm	φ14 × 20.9mm

1/2.5" Format Lenses Series

Item No AZURE-IR03618B5M AZURE-IR04130B5M AZURE-IR0618B5M AZURE-IR0818B3M AZURE-IR1218B5M

Resolution	5MP	5MP	5MP	3MP	5MP
Format	1/2.5"	1/2.5"	1/2.5"	1/2.5"	1/2.5"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	3.6mm	4.14mm	6.0mm	8mm	12mm
F / No	1.8	3.0	1.8	1.8	1.8
Back Focus	7.25mm	5.25mm	9.58mm	5.6mm	8.3mm
Angle of View (D×V×H)	128°×69.8°×96.4°	82°×49.2°×65.6°	73.51°×41.78°×56.89°	45°(D)	35°×21°×28°
Distortion	<-43%	<-1%	<-20.49%	-	<-4.34%
Working Distance	-	∞m	∞m	0.2m~∞m	-
Dimension	φ14 × 18.08mm	φ14 × 17.85mm	φ14 × 19.1mm	φ14 × 17.5mm	φ14 × 19.2mm

1/2.7" Format Lenses Series

Item No AZURE-IR09620B5M AZURE-IR02420BM AZURE-IR024524B5M AZURE-IR02926B3M AZURE-IR03025B2M

Resolution	2MP	1MP	5MP	3MP	2MP
Format	1/2.7"	1/2.7"	1/2.7"	1/2.7"	1/2.7"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	0.96mm	2.4mm	2.45mm	2.92mm	3.0mm
F / No	2.0	2.0	2.4	2.6	2.4
Back Focus	3.6mm	4.15mm	4.277mm	5.13mm	5.12mm
Angle of View (D×V×H)	210°×188°×204°	130°(D)	176.3°×78°×147.2°	162°×63°×126°	172°×64°×130°
Distortion	<-4.2%	<-85%	<-95%	<-62.5%	<-63.2%
Working Distance	0.1m~∞m	0.15m~∞m	0.1m~∞m	0.2m~∞m	0.2m~∞m
Dimension	φ14 × 24.04mm	φ15 × 13mm	φ14 × 16.31mm	φ14 × 15.65mm	φ14 × 15.56mm

M12 Lenses Series

1/2.7" Format Lenses Series

Item No	AZURE-03820B3M
Resolution	3MP
Format	1/2.7"
Mount	M12 × 0.5
Focal Length	3.8mm
F / No	2.0
Back Focus	6.74mm
Angle of View (D×V×H)	110.5°×49.9°×93.5°
Distortion	<-36.7%
Working Distance	-
Dimension	φ14 × 23.07mm

1/3" Format Lenses Series

Item No	AZURE-02120BM
Resolution	MP
Format	1/3"
Mount	M12 × 0.5
Focal Length	2.11mm
F / No	2.0
Back Focus	4.95mm
Angle of View (D×V×H)	156°×94°×125°
Distortion	<-65%
Working Distance	0.2m~∞m
Dimension	φ16.97 × 20.36mm

1/3" Format Lenses Series

Item No	AZURE-02520BM	AZURE-02521B3M	AZURE-02920BM	AZURE-IR02920B5M	AZURE-IR03321B2M
Resolution	MP	3MP	MP	5MP	2MP
Format	1/3"	1/3"	1/3"	1/3"	1/3"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	2.42mm	2.45mm	2.88mm	2.9mm	3.3mm
F / No	2.4	2.0	2.5	2.0	2.1
Back Focus	5.01mm	4.36mm	5.02mm	5.08mm	6.22mm±5%
Angle of View (D×V×H)	144° (D)	153°×80.6°×112.6°	140° (D)	129°×77.4°×103.2°	120°×65°×90°
Distortion	<-60%	<-73%	<-62%	<49%	<-42%
Working Distance	0.2m~∞m	0.3m~∞m	0.2m~∞m	∞m	0.165m~∞m
Dimension	φ14 × 18.15mm	φ17.4 × 20.65mm	φ13.98 × 15.26mm	φ14 × 20.21mm	φ14 × 20.32mm
Weight	5.71g	4.5g	4.71g	-	3.8g

Item No	AZURE-IR03620BM	AZURE-IR0620BM	AZURE-1220BM	AZURE-IR1618B2M	AZURE-1620BM
Resolution	2MP	70 lp/mm	1MP	45 lp/mm	1MP
Format	1/3"	1/3"	1/3"	1/3"	1/3"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length	3.6mm	6.0mm	12mm	16mm	16.26mm
F / No	2.0	2.0	2.0	1.8	2.0
Back Focus	6mm	8.27mm	8.97mm	9.89mm	9.98mm
Angle of View (D×V×H)	102°×58°×80°	58.28°×34.97°×46.62°	29°×18°×24°	21.36°×12.93°×17.17°	22°(D)
Distortion	<16.5%	<-10.6%	<-0.8%	<0.2%	<-1.5%
Working Distance	0.5m~∞m	0.2m~∞m	0.4m~∞m	0.3m~∞m	0.4m~∞m
Dimension	φ14 × 22.44mm	φ14 × 15.33mm	φ14 × 14.26mm	φ14 × 13.46mm	φ14 × 15.95mm
Weight	5.8g	55g	6g	4.5g	6g

08

Accessories



Lenses Accessories

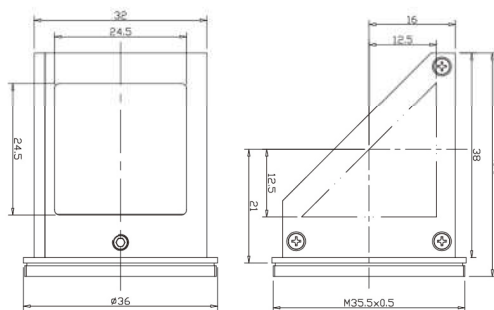
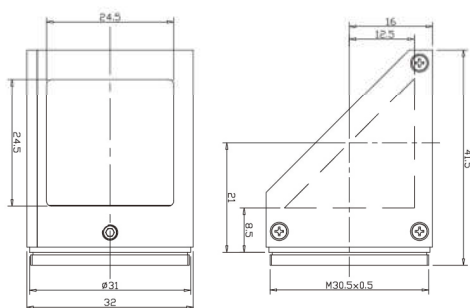
Turning angle prism



AZURE-PC305-1



AZURE-PC355-1



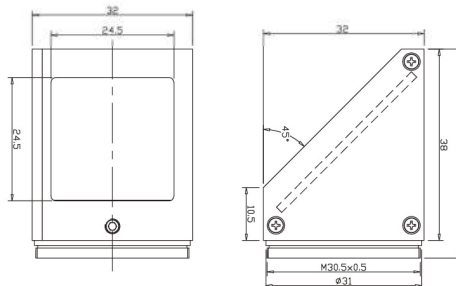
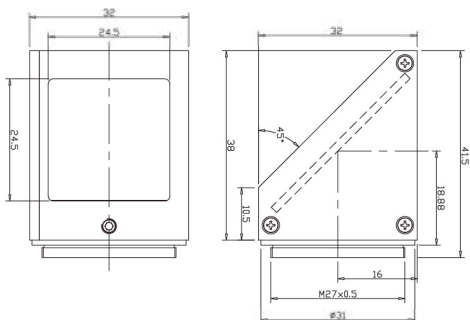
Reflective turning mirror



AZURE-MC27-1



AZURE-MC305-1

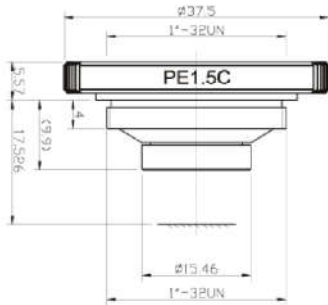


Lenses Accessories

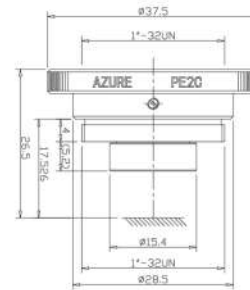
Extenders



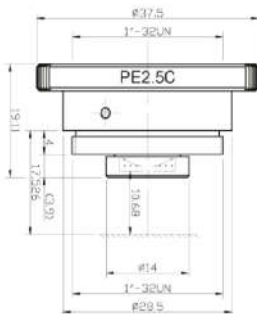
AZURE-PE1.5C



AZURE-PE2C



AZURE-PE2.5C



AZURE-PE4.0C



Endoscope Adapters

Adapter for all kinds of rigid endoscopes



Item No	AZURE-1412ED	AZURE-1812ED	AZURE-2012ED	AZURE-2212ED
Resolution	1280 × 1024	1280 × 1024	1280 × 1024	1280 × 1024
Format	1/2"	1/2"	1/2"	1/2"
Mount	C/CS	C/CS	C/CS	C/CS
Focal Length	14mm	18mm	20mm	22mm
F/No	1.2	1.2	1.2	1.2
Dimension	φ54× L44	φ54× L44	φ48× L44	φ54× L44
Weight	76g	92g	92g	92g



Item No	AZURE-2512ED	AZURE-2812ED	AZURE-3512ED
Resolution	1280 × 1024	1280 × 1024	1280 × 1024
Format	1/2"	1/2"	1/2"
Mount	C/CS	C/CS	C/CS
Focal Length	25mm	28mm	35mm
F/No	1.2	1.2	1.2
Dimension	φ48× L44	φ54× L44	φ54× L44
Weight	92g	92g	92g

Adapter for all kinds of semi-rigid/soft endoscopes



Item No	AZURE-1412EF	AZURE-1812EF	AZURE-2212EF	AZURE-2812EF
Resolution	1280 × 1024	1280 × 1024	1280 × 1024	1280 × 1024
Format	1/2"	1/2"	1/2"	1/2"
Mount	C/CS	C/CS	C/CS	C/CS
Focal Length	14mm	18mm	22mm	28mm
F/No	1.2	1.2	1.2	1.2
Dimension	φ42× L54	φ41.5× L54	φ42× L57	φ54× L44
Weight	76g	92g	92g	92g

09

Filters



Filter series



As an important accessory for machine vision, filters can largely enhance the work efficiency of vision systems. AZURE offers the full spectral range of filters in different types, such as longpass filters, bandpass filters etc. All filters are mounted in standard sizes, matching AZURE mega-pixel lenses and other brands of lenses. We also can do custom coating designs upon request.

– Filter Type –

Thread Dia. x Pitch (mm)	C-Mount	M22.5 x0.5	M25.5 x0.5	M27 x0.5	M30.5 x0.5	M34 x0.5	M35.5 x0.5	M37 x0.5	M37.5 x0.5	M40.5 x0.5	M43 x0.5	M46 x0.5	M49 x0.5	M52 x0.5	M55 x0.5	M58 x0.5	M62 x0.5
External ϕ	25.4	24	27.5	29	32.5	36	37	39	39.5	42	45	48	51	54	57	60	65
Aperture ϕ	19.5	18.5	21	23	26.5	30	31.5	33	19.5	36	39.5	41.5	44.5	47.5	50.5	53.5	57.5

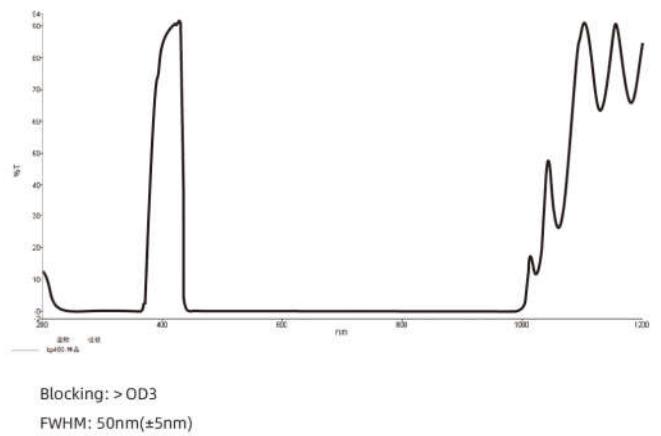
Thread Dia. x Pitch (mm)	M67.0 x0.75	M68.0 x0.75	M72.0 x0.75	M77.0 x0.75	M82.0 x0.75	M86.0 x0.75	M95.0 x1.0	M105 x1.0
External ϕ	70	70	75	80	85	90	99	109
Aperture ϕ	63.2	63.2	67.7	73	78.8	80	90	100

BANDPASS FILTER



– AZURE-BP405 –

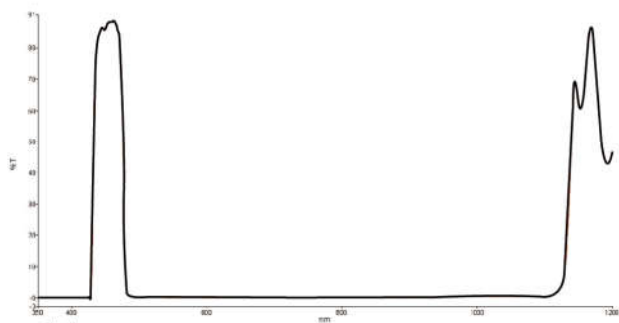
BP405 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	83.941841	610	0.048051	820	0.004522
410	88.84847	620	0.063233	830	0.00963
420	90.65803	630	0.014686	840	0.016349
430	88.74733	640	0.000228	850	0.02233
440	0.37429	650	0.034097	860	0.032746
450	0.048333	660	0.006271	870	0.041669
460	0.062992	670	0.003327	880	0.086346
470	0.034979	680	0.002859	890	0.047507
480	0.004744	690	0.000657	900	0.100967
490	0.010482	700	0.000868	910	0.108586
500	0.039704	710	0.008816	920	0.006379
510	0.009594	720	0.066624	930	0.059546
520	0.03832	730	0.013277	940	0.074384
530	0.004401	740	0.005423	950	0.098642
540	0.006239	750	0.033671	960	0.01895
550	0.005494	760	0.066127	970	0.073834
560	0.002875	770	0.031046	980	0.048998
570	0.021128	780	0.000403	990	0.318853
580	0.003496	790	0.0002	1000	1.185742
590	0.006293	800	0.003187		
600	0.003493	810	0.005712		



AZURE-BP450

BP450 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.006605	610	0.000929	820	0.077472
410	0.001364	620	0.409859	830	0.022601
420	0.002979	630	0.037403	840	0.018515
430	11.858341	640	0.100827	850	0.024109
440	83.992337	650	0.273903	860	0.049831
450	86.559814	660	0.044345	870	0.060901
460	88.19208	670	0.108692	880	0.020652
470	84.028294	680	0.319601	890	0.097861
480	5.875714	690	0.08347	900	0.06346
490	0.255073	700	0.032108	910	0.08765
500	0.2608	710	0.016772	920	0.048198
510	0.21573	720	0.027459	930	0.056888
520	0.043362	730	0.018124	940	0.149121
530	0.208294	740	0.005215	950	0.169126
540	0.011039	750	0.002685	960	0.260165
550	0.011226	760	0.011465	970	0.259038
560	0.028269	770	0.017654	980	0.230307
570	0.129784	780	0.014504	990	0.335672
580	0.198545	790	0.092289	1000	0.519901
590	0.026803	800	0.030675		
600	0.003493	810	0.022452		

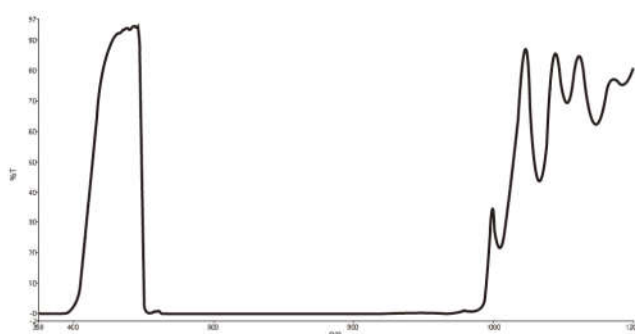


Blocking: >OD3
FWHM: 40nm(±5nm)

AZURE-BP470

BP470 Transmission Data(Typical)

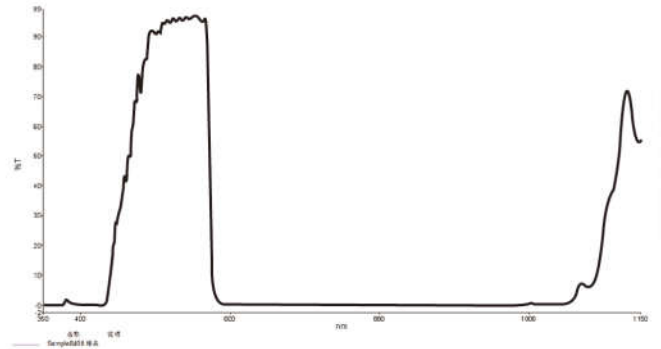
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	2.296971	610	0.004178	820	0.002163
410	10.076601	620	0.003462	830	0.003538
420	31.416935	630	0.002524	840	0.013985
430	58.800121	640	0.005235	850	0.018773
440	77.825796	650	0.008355	860	0.011924
450	86.892778	660	0.007839	870	0.049682
460	91.501147	670	0.003327	880	0.008011
470	93.316664	680	0.00264	890	0.027045
480	93.470596	690	0.003724	900	0.031286
490	94.263359	700	0.00282	910	0.09315
500	7.844236	710	0.006451	920	0.114648
510	0.090233	720	0.001064	930	0.001595
520	0.754545	730	0.001897	940	0.114586
530	0.007334	740	0.003129	950	0.258736
540	0.00264	750	0.001239	960	0.803342
550	0.001672	760	0.002252	970	0.772158
560	0.004791	770	0.005682	980	1.38485
570	0.004179	780	0.007655	990	7.948665
580	0.002796	790	0.004604	1000	33.082611
590	0.000699	800	0.002589		
600	0.007917	810	0.002757		



Blocking: >OD3
FWHM: 60nm(±5nm)

AZURE-BP500

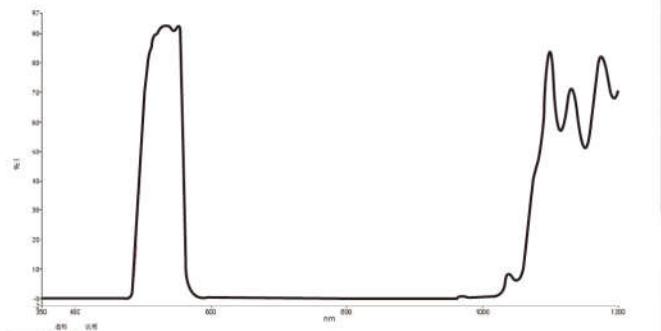
BP500 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.150361	630	0.009291	870	0.004668
410	0.068627	640	0.014453	880	0.01214
420	0.044042	650	0.004223	890	0.02381
430	0.095557	660	0.006695	900	0.035863
440	11.638552	670	0.005268	910	0.024002
450	30.418384	680	0.000308	920	0.004204
460	41.439907	690	0.006597	930	0.030932
470	61.28433	700	0.002902	940	0.013979
480	71.118977	710	0.006232	950	0.014245
490	89.408415	720	0.001208	960	0.029585
500	90.784587	730	0.001651	970	0.03221
510	94.391792	740	0.000299	980	0.011147
520	94.817941	750	0.002975	990	0.034399
530	95.978216	760	0.000889	1000	0.553345
540	96.421099	770	0	1010	0.234563
550	96.703153	780	0.004401	1020	0.298787
560	95.44094	790	0.001608	1030	0.380086
570	71.841016	800	0.001312	1040	0.367631
580	2.890617	810	0.002316	1050	0.722903
590	0.519274	820	0.002894	1060	2.509473
600	0.24251	830	0.007386	1070	7.240931
610	0.111398	840	0.019043	1080	6.131181
620	0.018125	850	0.020626	1090	10.296392
		860	0.010782		



Blocking: > OD3
FWHM: 100nm(±5nm)

AZURE-BP525

BP525 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.010734	620	0.004846	840	0.012606
410	0.011734	630	0.013768	850	0.017785
420	0.008395	640	0.002959	860	0.092009
430	0.007534	650	0.007903	870	0.006945
440	0.006966	660	0.009182	880	0.082785
450	0.004565	670	0.003771	890	0.012633
460	0.003455	680	0.004619	900	0.023997
470	0.007514	690	0.00482	910	0.10486
480	0.469418	700	0.004339	920	0.022504
490	18.089949	710	0.009891	930	0.019494
500	63.200754	720	0.008301	940	0.01346
510	83.567213	730	0.004636	950	0.086777
520	89.574021	740	0.002503	960	0.150184
530	92.491877	750	0.002892	970	0.639717
540	91.923919	760	0.002252	980	0.191569
550	92.055128	770	0.005885	990	0.200412
560	37.581302	780	0.005439	1000	0.418539
570	2.351212	790	0.000801		
580	0.473759	800	0.001992		
590	0.309284	810	0.00256		
600	0.075675	820	0.00177		
610	0.013232	830	0.001572		

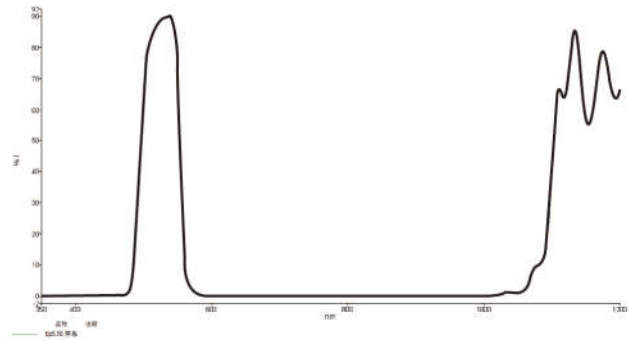


Blocking: > OD3
FWHM: 60nm(±5nm)

AZURE-BP530

BP530 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.011284	620	0.001615	840	0.01753
410	0.01037	630	0.00413	850	0.024109
420	0.011103	640	0.003642	860	0.02367
430	0.002691	650	0.008355	870	0.009082
440	0.001608	660	0.008511	880	0.005875
450	0.022824	670	0.005767	890	0.033451
460	0.082394	680	0.004399	900	0.067193
470	0.247704	690	0.003943	910	0.036728
480	2.650963	700	0.004339	920	0.02339
490	26.228318	710	0.007741	930	0.03633
500	65.012858	720	0.007663	940	0.053308
510	81.992802	730	0.004426	950	0.065348
520	87.464422	740	0.00146	960	0.295055
530	89.523931	750	0.002479	970	0.199015
540	89.539778	760	0.002457	980	0.143456
550	72.39335	770	0.005479	990	0.110297
560	13.157397	780	0.00141	1000	0.164514
570	2.223749	790	0.003003		
580	0.661119	800	0.001992		
590	0.121197	810	0.007878		
600	0.013738	820	0.029298		
610	0.031802	830	0.013364		

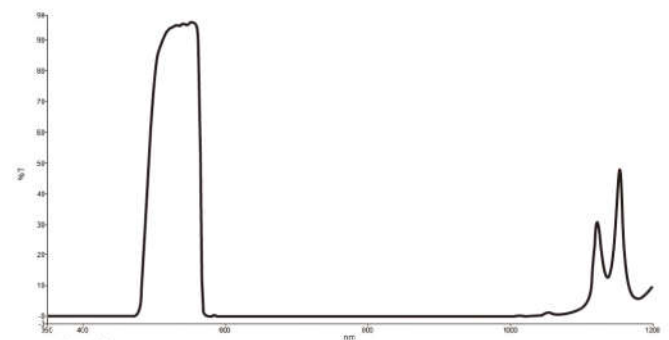


Blocking: > OD3
FWHM: 60nm(±5nm)

AZURE-BP535

BP535 Transmission Data(Typical)

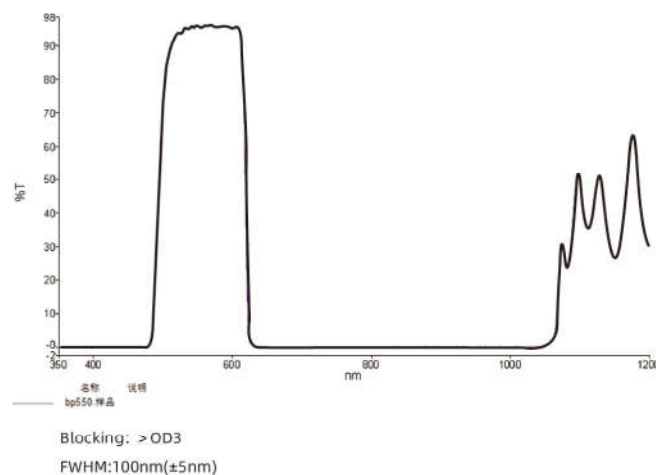
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.00688	630	0.001606	860	0.106246
410	0.01037	640	0.003414	870	0.006589
420	0.00677	650	0.006097	880	0.06249
430	0.007265	660	0.005823	890	0.020462
440	0.005894	670	0.003771	900	0.035907
450	0.003759	680	0.00264	910	0.006033
460	0.006113	690	0.004601	920	0.158239
470	0.00285	700	0.004122	930	0.008861
480	4.022512	710	0.006236	940	0.018773
490	42.623855	720	0.007237	950	0.100767
500	76.727053	730	0.003793	960	0.013283
510	88.64723	740	0.00292	970	0.007614
520	93.342459	750	0.002892	980	0.053774
530	94.752308	760	0.002457	990	0.033107
540	95.2178	770	0.005276	1000	0.110738
550	95.653514	780	0.006446	1010	0.168261
560	92.68967	790	0.005005	1020	0.124806
570	0.781957	800	0.000398	1030	0.096862
580	0.051268	810	0.002363	1040	0.163737
590	0.003729	820	0.00118	1050	1.026684
600	0.006753	830	0.005896	1060	0.738553
610	0.005571	840	0.013394	1070	0.539682
620	0.001846	850	0.018971	1080	1.061132
				1090	1.732825



Blocking: > OD3
FWHM: 60nm(±5nm)

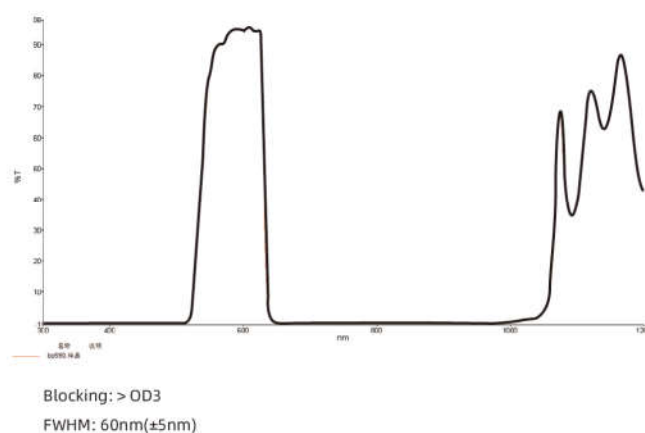
AZURE-BP560

BP560 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009082	640	0.085578	880	0.100233
410	0.011734	650	0.046064	890	0.036298
420	0.007583	660	0.004031	900	0.020976
430	0.007265	670	0.001109	910	0.008694
440	0.005894	680	0.005719	920	0.002481
450	0.004565	690	0.003505	930	0.012405
460	0.003987	700	0.000434	940	0.011158
470	0.007773	710	0.005376	950	0.029398
480	0.622478	720	0.006386	960	0.049589
490	27.41508	730	0.001054	970	0.008853
500	73.171352	740	0.000417	980	0.039092
510	89.221299	750	0.001239	990	0.018766
520	93.608428	760	0.000819	1000	0.001238
530	94.959136	770	0.000812	1010	0.125444
540	95.581121	780	0.000403	1020	0.002121
550	95.65853	790	0.002803	1030	0.097923
560	95.849294	800	0.023703	1040	0.067369
570	95.95207	810	0.005515	1050	0.328617
580	95.748985	820	0.00118	1060	1.765921
590	95.656501	830	0.010613	1070	20.885898
600	95.277635	840	0.025606	1080	24.524626
610	94.3014	850	0.019959	1090	37.418887
620	26.184344	860	0.004271		
630	0.292566	870	0.053066		



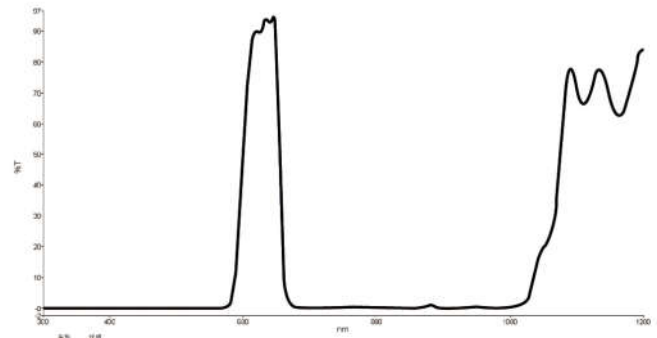
AZURE-BP590

BP590 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.007706	630	56.047169	860	0.011924
410	0.008187	640	1.499888	870	0.105775
420	0.005958	650	0.120129	880	0.003739
430	0.005919	660	0.028891	890	0.034163
440	0.004287	670	0.020407	900	0.081236
450	0.00188	680	0.036953	910	0.037792
460	0.001329	690	0.054771	920	0.076373
470	0.003887	700	0.019308	930	0.013469
480	0.004494	710	0.016342	940	0.05012
490	0.001747	720	0.051086	950	0.053837
500	0.002076	730	0.030557	960	0.053485
510	0.032152	740	0.014601	970	0.014165
520	2.289349	750	0.034084	980	0.047583
530	23.771933	760	0.031119	990	0.097727
540	59.74054	770	0.008725	1000	0.263931
550	81.607749	780	0.009267	1010	0.765755
560	89.767694	790	0.055454	1020	1.056962
570	90.705898	800	0.003386	1030	1.054528
580	94.449584	810	0	1040	1.710754
590	95.120206	820	0.000983	1050	3.610716
600	94.64825	830	0.005503	1060	11.985013
610	95.514752	840	0.013985	1070	54.85316
620	94.531293	850	0.023713	1080	51.146104
				1090	34.803855



AZURE-BP625

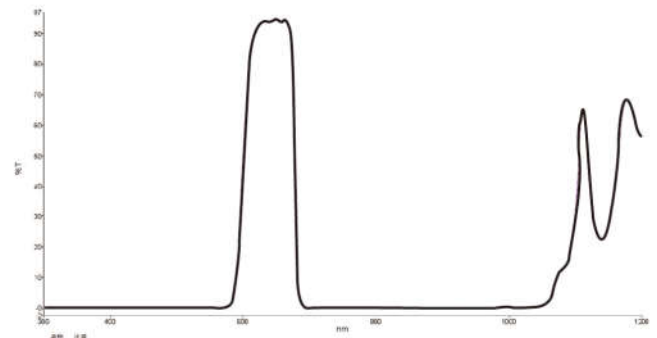
BP625 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.014587	630	92.649364	870	0.319106
410	0.01037	640	92.779141	880	0.948917
420	0.009207	650	79.33175	890	0.309598
430	0.008072	660	12.120886	900	0.099367
440	0.007234	670	1.258609	910	0.103796
450	0.005639	680	0.246574	920	0.07655
460	0.006645	690	0.097273	930	0.067875
470	0.010623	700	0.079185	940	0.292044
480	0.011236	710	0.135898	950	0.501711
490	0.004492	720	0.434016	960	0.416548
500	0.007007	730	0.359101	970	0.253195
510	0.005445	740	0.255103	980	0.177772
520	0.001261	750	0.348481	990	0.229093
530	0.012224	760	0.355613	1000	0.348134
540	0.021358	770	0.246947	1010	0.725415
550	0.023169	780	0.247378	1020	1.771503
560	0.040726	790	0.296486	1030	5.239407
570	0.178773	800	0.302165	1040	14.16257
580	1.837011	810	0.38405	1050	19.747572
590	16.677582	820	0.576711	1060	23.625746
600	53.93057	830	0.250385	1070	35.886366
610	81.894194	840	0.115622	1080	60.945472
620	89.724222	850	0.093075	1090	77.429511
		860	0.080975		



Blocking: > OD3
FWHM: 40nm(±5nm)

AZURE-BP635

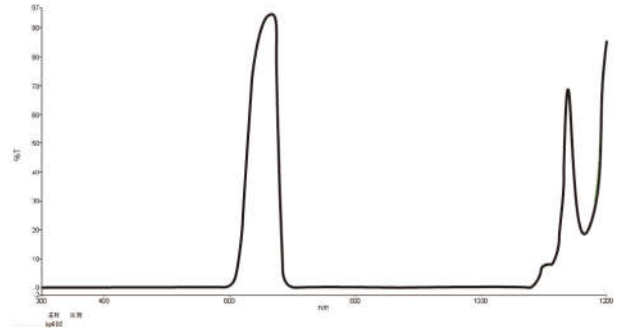
BP635 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009082	640	93.941953	880	0.021186
410	0.01228	650	94.479043	890	0.021707
420	0.007853	660	94.243699	900	0.016532
430	0.008072	670	90.992314	910	0.02484
440	0.007502	680	18.652971	920	0.071943
450	0.007519	690	0.672145	930	0.109522
460	0.006113	700	0.082222	940	0.038431
470	0.00881	710	0.019998	950	0.077922
480	0.010487	720	0.013197	960	0.040025
490	0.004492	730	0.03119	970	0.015758
500	0.006488	740	0.086772	980	0.138149
510	0.007779	750	0.023755	990	0.346472
520	0.003529	760	0.014945	1000	0.370777
530	0.01638	770	0.038554	1010	0.144198
540	0.045355	780	0.066276	1020	0.240773
550	0.058998	790	0.012012	1030	0.227308
560	0.07714	800	0.013943	1040	0.253563
570	0.179934	810	0.080158	1050	0.692234
580	1.142801	820	0.00177	1060	2.58573
590	12.111734	830	0.002162	1070	8.298977
600	51.879655	840	0.010833	1080	12.789526
610	81.832447	850	0.015809	1090	16.816642
620	91.362965	860	0.110695	1100	32.771096
630	93.864832	870	0.023506		



Blocking: > OD3
FWHM: 60nm(±5nm)

AZURE-BP650

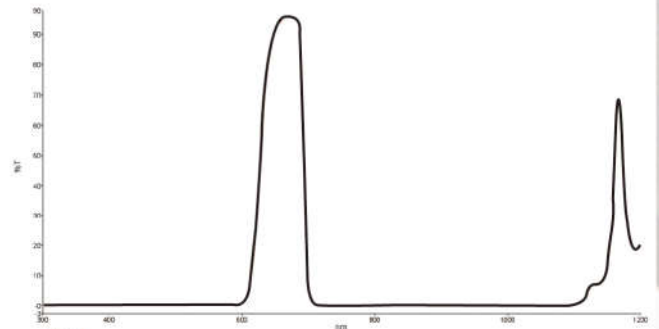
BP650 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.008807	630	54.915684	860	0.091119
410	0.009005	640	80.249723	870	0.056449
420	0.008395	650	90.454502	880	0.014955
430	0.007803	660	93.985917	890	0.000534
440	0.006698	670	94.185198	900	0.049239
450	0.006444	680	23.284869	910	0.073101
460	0.005847	690	1.113158	920	0.052274
470	0.011141	700	0.145137	930	0.037394
480	0.009738	710	0.0372	940	0.018596
490	0.004492	720	0.020221	950	0.07314
500	0.004671	730	0.029293	960	0.05384
510	0.007001	740	0.068417	970	0.010978
520	0.007563	750	0.094402	980	0.09888
530	0.002445	760	0.069198	990	0.114546
540	0.007679	770	0.084413	1000	0.100124
550	0.022453	780	0.086018	1010	0.084927
560	0.018926	790	0.059457	1020	0.080965
570	0.029718	800	0.075691	1030	0.030049
580	0.04684	810	0.080749	1040	0.085405
590	0.119565	820	0.043258	1050	0.07884
600	0.733467	830	0.054243	1060	0.042218
610	4.822767	840	0.06894	1070	0.192264
620	21.63505	850	0.024899	1080	0.546184
				1090	2.624738



Blocking: > OD3
FWHM: 40nm(±5nm)

AZURE-BP660

BP660 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.011009	630	56.71376	860	0.082399
410	0.011462	640	81.284169	870	0.050929
420	0.008666	650	91.35592	880	0.025281
430	0.007265	660	94.617493	890	0.01459
440	0.008306	670	95.543627	900	0.01351
450	0.006713	680	95.402855	910	0.054471
460	0.006645	690	75.725218	920	0.060779
470	0.009587	700	6.639838	930	0.013469
480	0.008989	710	0.498652	940	0.048526
490	0.004742	720	0.089187	950	0.119893
500	0.005709	730	0.033297	960	0.003896
510	0.008557	740	0.024196	970	0.026736
520	0.009328	750	0.035736	980	0.010967
530	0.007334	760	0.085372	990	0.091354
540	0.0036	770	0.092935	1000	0.039448
550	0.011226	780	0.072521	1010	0.10492
560	0.014613	790	0.097094	1020	0.003005
570	0.015323	800	0.086447	1030	0.09916
580	0.023536	810	0.060069	1040	0.132793
590	0.090664	820	0.074325	1050	0.018207
600	0.687131	830	0.077238	1060	0.032503
610	4.991063	840	0.050031	1070	0.047182
620	22.938244	850	0.056912	1080	0.129708
				1090	0.147711

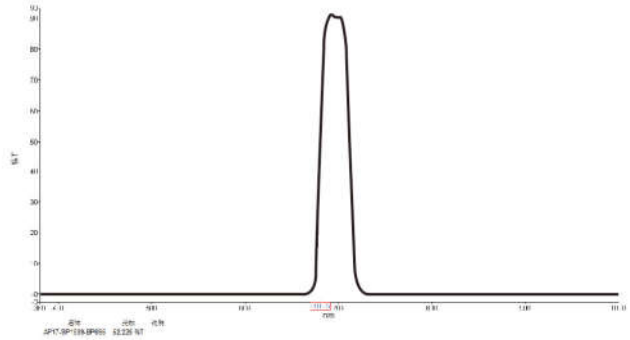


Blocking: > OD3
FWHM: 60nm(±5nm)

AZURE-BP695

BP695 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.087841	610	0.104666	820	0.078454
410	0.113988	620	0.19174	830	0.08498
420	0.001987	630	0.115123	840	0.045952
430	0.014426	640	0.074357	850	0.031068
440	0.00359	650	0.056923	860	0.29877
450	0.007967	660	0.078889	870	0.162273
460	0.004359	670	0.648023	880	0.058574
470	0.010334	680	43.580111	890	0.026449
480	0.080728	690	90.437874	900	0.05009
490	0.002261	700	90.2908	910	0.04294
500	0.050563	710	65.791792	920	0.06729
510	0.026198	720	3.555918	930	0.055639
520	0.008884	730	0.198266	940	0.042405
530	0.022504	740	0.04063	950	0.109211
540	0.073668	750	0.026034	960	0.110379
550	0.017138	760	0.045357	970	0.027582
560	0.06459	770	0.130786	980	0.015242
570	0.113795	780	0.140325	990	0.082312
580	0.045712	790	0.037519	1000	0.12574
590	0.061156	800	0.021148		
600	0.064014	810	0.034481		

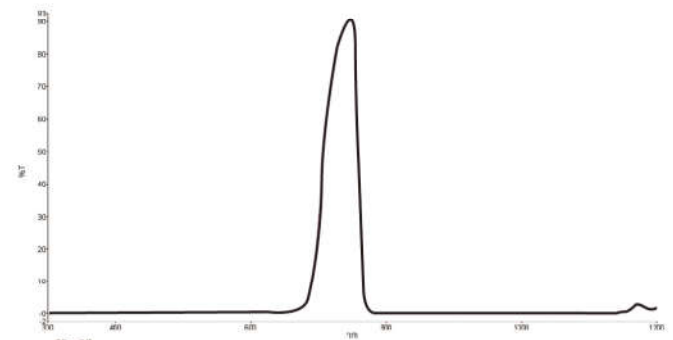


Blocking: > OD3
FWHM: 30nm(±5nm)

AZURE-BP735

BP735 Transmission Data(Typical)

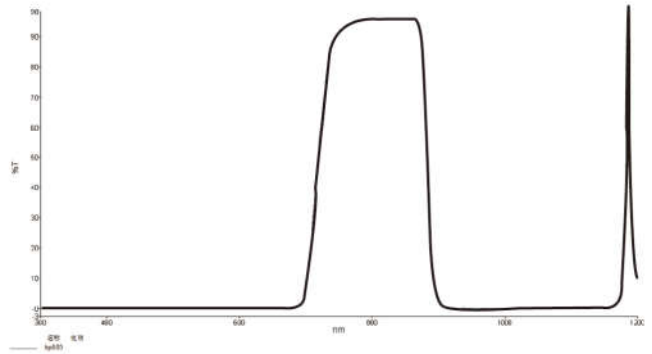
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.011559	630	0.121845	860	0.08667
410	0.011734	640	0.203475	870	0.065531
420	0.011645	650	0.32787	880	0.110381
430	0.010494	660	0.575137	890	0.090033
440	0.009645	670	1.174539	900	0.015998
450	0.008324	680	3.112861	910	0.001242
460	0.010632	690	10.338943	920	0.084701
470	0.013992	700	30.28409	930	0.029773
480	0.012734	710	56.356681	940	0.05384
490	0.006739	720	74.475839	950	0.06464
500	0.008564	730	83.641084	960	0.121139
510	0.010372	740	89.091497	970	0.020362
520	0.013614	750	89.432784	980	0.029717
530	0.011001	760	36.499725	990	0.016642
540	0.010799	770	2.269601	1000	0.043163
550	0.01051	780	0.20588	1010	0.021409
560	0.009343	790	0.034834	1020	0.014496
570	0.00534	800	0.007768	1030	0.224304
580	0.003029	810	0.001379	1040	0.107685
590	0.004661	820	0.00118	1050	0.115254
600	0.016532	830	0.008254	1060	0.001943
610	0.03807	840	0.031712	1070	0.040997
620	0.069925	850	0.084381	1080	0.305828
				1090	0.286775



Blocking: > OD3
FWHM: 40nm(±5nm)

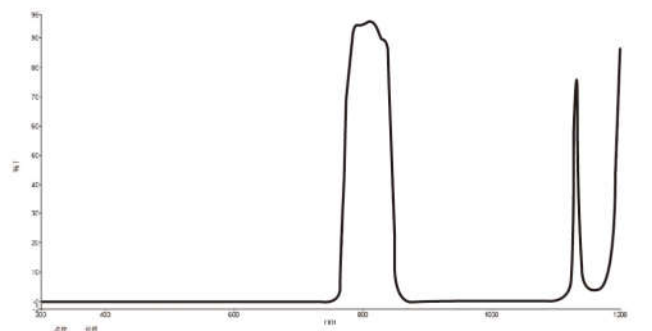
AZURE-BP800

BP800 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.010458	630	0.003212	860	95.792683
410	0.009824	640	0.001366	870	93.396359
420	0.007041	650	0.001355	880	61.760428
430	0.009417	660	0.011646	890	13.703807
440	0.008841	670	0.053015	900	2.134709
450	0.006444	680	0.165849	910	0.594386
460	0.006911	690	0.896486	920	0.171706
470	0.01166	700	7.016021	930	0.014709
480	0.008989	710	28.518624	940	0.046047
490	0.00574	720	55.129864	950	0.014876
500	0.005709	730	76.102698	960	0.029931
510	0.008038	740	87.486833	970	0.040016
520	0.008319	750	91.533792	980	0.006899
530	0.00929	760	93.359852	990	0.026202
540	0.009119	770	94.362016	1000	0.094994
550	0.006927	780	94.932978	1010	0.05131
560	0.008385	790	95.291051	1020	0.050382
570	0.007894	800	95.51852	1030	0
580	0.007224	810	95.471555	1040	0.039255
590	0.00606	820	95.528281	1050	0.014142
600	0.007684	830	95.663274	1060	0.0779
610	0.004411	840	95.782063	1070	0.041174
620	0.003	850	95.736709	1080	0.101648
				1090	0.014295



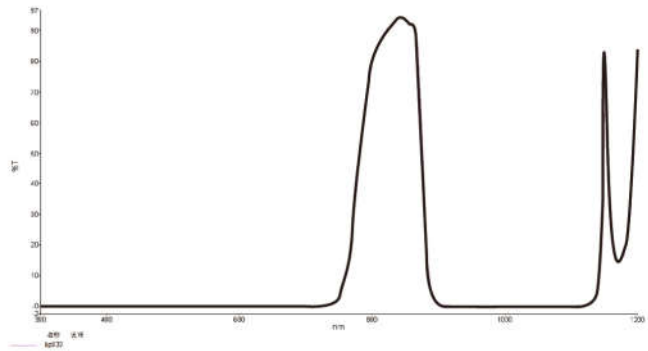
AZURE-BP808

BP808 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.008807	630	0.002295	860	1.605084
410	0.00846	640	0.003414	870	0.218673
420	0.007583	650	0.007	880	0.011216
430	0.006996	660	0.006495	890	0.095726
440	0.005894	670	0.002884	900	0.094568
450	0.004833	680	0.002859	910	0.055713
460	0.004784	690	0.002848	920	0.074069
470	0.009587	700	0.001085	930	0.037216
480	0.009239	710	0.007096	940	0.023378
490	0.003744	720	0.007024	950	0.070661
500	0.003893	730	0.014541	960	0.095459
510	0.006742	740	0.042135	970	0.204858
520	0.008824	750	0.195001	980	0.126651
530	0.005867	760	1.970507	990	0.167305
540	0.007679	770	37.494369	1000	0.022289
550	0.007405	780	83.839639	1010	0.206301
560	0.007427	790	94.5133	1020	0.107835
570	0.005572	800	94.522592	1030	0.19673
580	0.004195	810	95.51252	1040	0.160908
590	0.007225	820	94.034103	1050	0.19215
600	0.004424	830	89.517253	1060	0.108637
610	0.003714	840	76.019177	1070	0.221422
620	0.002539	850	11.454803	1080	0.190767
				1090	0.271598



AZURE-BP830

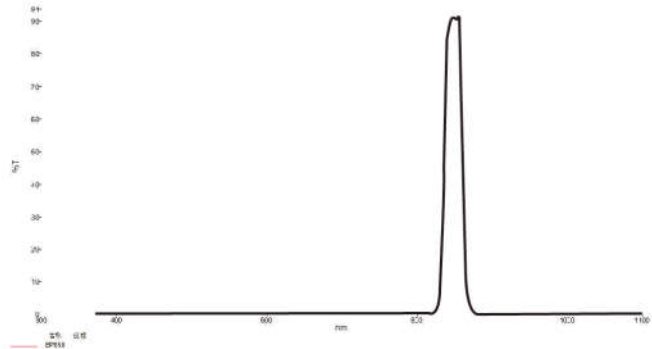
BP830 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009908	630	0.005278	860	92.0988
410	0.010916	640	0.005462	870	79.264881
420	0.008666	650	0.009032	880	27.794187
430	0.00861	660	0.008287	890	4.205018
440	0.009913	670	0.00488	900	0.778229
450	0.007519	680	0.005279	910	0.227463
460	0.014087	690	0.004163	920	0.083638
470	0.012437	700	0.004556	930	0.038102
480	0.010737	710	0.003225	940	0.076863
490	0.006489	720	0.017454	950	0.002125
500	0.008045	730	0.126655	960	0.07031
510	0.009075	740	0.668523	970	0.056836
520	0.00958	750	2.962192	980	0.071993
530	0.011979	760	10.131374	990	0.005134
540	0.008399	770	25.393756	1000	0.024766
550	0.008838	780	46.719822	1010	0.097312
560	0.009822	790	66.457198	1020	0.017324
570	0.008126	800	79.311176	1030	0.058506
580	0.007923	810	85.560694	1040	0.006719
590	0.008391	820	88.937106	1050	0.01697
600	0.009081	830	91.856404	1060	0.009009
610	0.0065	840	94.07984	1070	0.054251
620	0.005769	850	93.457447	1080	0.062648
				1090	0.135181



Blocking: > OD3
FWHM: 100nm(±5nm)

AZURE-BP850

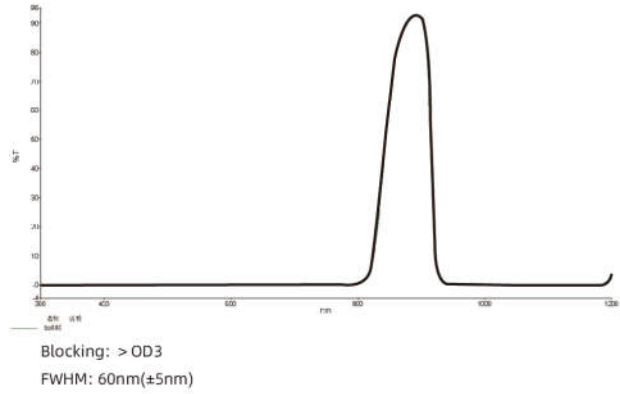
BP850 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.005561	640	0.021771	880	0.208318
410	0.0017	650	0.139449	890	0.106823
420	0.004791	660	0.084042	900	0.033797
430	0.081672	670	0.030682	910	0.035373
440	0.006403	680	0.228014	920	0.01255
450	0.164784	690	0.180747	930	0.115475
460	0.223118	700	0.060053	940	0.215659
470	0.024626	710	0.09759	950	0.124059
480	0.114437	720	0.218345	960	0.096984
490	0.02496	730	0.186678	970	0.104819
500	0.004155	740	0.332423	980	0.092111
510	0.161428	750	0.086916	990	0.072332
520	0.085689	760	0.088791	1000	0.058666
530	0.010296	770	0.206594	1010	0.053334
540	0.004243	780	0.377389	1020	0.106416
550	0.010373	790	0.173265	1030	0.167953
560	0.003905	800	0.056448	1040	0.244944
570	0.001588	810	0.074951	1050	0.227778
580	0.004744	820	0.338034	1060	0.144641
590	0.003029	830	6.617092	1070	0.201601
600	0.074379	840	84.078241	1080	0.130183
610	0.127757	850	90.94369	1090	0.193715
620	0.048058	860	46.277572	1100	0.258978
630	0.142124	870	2.750757		



Blocking: > OD3
FWHM: 20nm(±5nm)

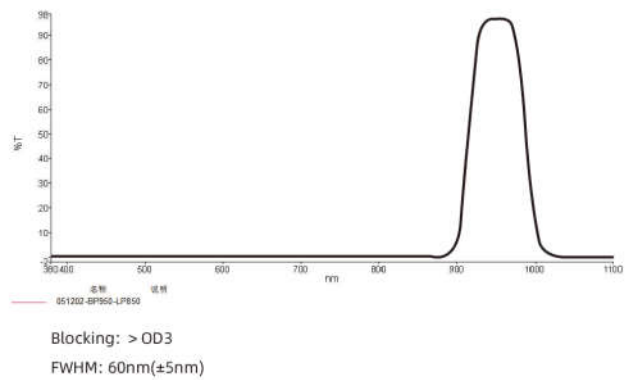
AZURE-BP880

BP880 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.015412	640	0.003186	880	91.509597
410	0.013372	650	0.009484	890	92.985113
420	0.007583	660	0.008287	900	91.918714
430	0.007803	670	0.003105	910	73.746955
440	0.008306	680	0.004839	920	18.330215
450	0.006981	690	0.003943	930	2.67532
460	0.013821	700	0.004556	940	0.54176
470	0.013473	710	0.005806	950	0.123612
480	0.009488	720	0.006386	960	0.038077
490	0.004992	730	0.003161	970	0.054357
500	0.006747	740	0.001252	980	0.013797
510	0.008557	750	0.00062	990	0.025494
520	0.013866	760	0.001843	1000	0.009376
530	0.00709	770	0.009943	1010	0.020524
540	0.009119	780	0.031829	1020	0.02086
550	0.005971	790	0.101298	1030	0.007247
560	0.007666	800	0.35953	1040	0.082222
570	0.007197	810	1.417441	1050	0.047905
580	0.006758	820	5.45663	1060	0.047341
590	0.009323	830	17.484282	1070	0.120342
600	0.010478	840	40.420218	1080	0.044295
610	0.004411	850	64.548722	1090	0.036178
620	0.004616	860	79.808045	1100	0.029619
630	0.004819	870	87.864893		



AZURE-BP950

BP950 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.000237	640	0.002085	880	0.714062
410	0.001534	650	0.000878	890	1.955999
420	0.001292	660	0.00011	900	7.600416
430	0.000701	670	0.001317	910	30.006015
440	0.001397	680	0.001866	920	67.681739
450	0	690	0.001318	930	91.157587
460	0.002651	700	0.002196	940	96.290806
470	0.001026	710	0.000329	950	96.556337
480	0.001582	720	0.002196	960	96.344735
490	0.001934	730	0.003071	970	93.893515
500	0.000681	740	0.002959	980	77.46219
510	0.00045	750	0.004051	990	42.609283
520	0.001115	760	0.005906	1000	14.002763
530	0.000886	770	0.005027	1010	3.59866
540	0.000884	780	0.033862	1020	1.114425
550	0.002651	790	0.007533	1030	0.428308
560	0.001769	800	0.003819	1040	0.201045
570	0.000329	810	0.004591	1050	0.125651
580	0.001316	820	0.003832	1060	0.088259
590	0.002412	830	0.011219	1070	0.062559
600	0.000877	840	0.020516	1080	0.047178
610	0.000987	850	0.035625	1090	0.03791
620	0.001316	860	0.035119	1100	0.036802
630	0.001755	870	0.352936		

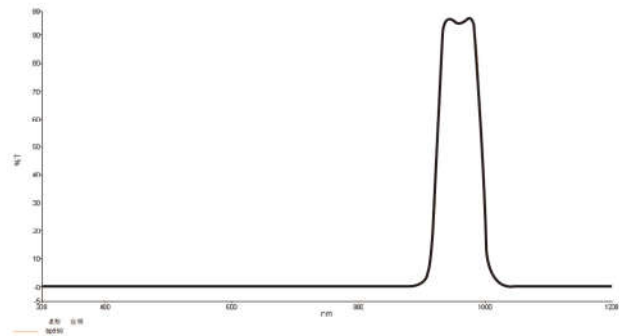


AZURE-BP960



BP960 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009633	640	0.00478	880	0.118392
410	0.010643	650	0.003387	890	0.337177
420	0.008395	660	0.006943	900	1.248758
430	0.007534	670	0.005767	910	5.251532
440	0.006698	680	0.005059	920	27.443048
450	0.005907	690	0.005039	930	81.490211
460	0.007708	700	0.004122	940	95.488284
470	0.010623	710	0.003871	950	95.28484
480	0.008739	720	0.006386	960	94.201271
490	0.00574	730	0.001264	970	95.617239
500	0.007266	740	0.000626	980	94.771391
510	0.008297	750	0.00062	990	69.344961
520	0.010084	760	0.009622	1000	21.064744
530	0.011735	770	0.004464	1010	4.941312
540	0.008879	780	0.034448	1020	1.420243
550	0.007643	790	0.019819	1030	0.59885
560	0.009822	800	0.003187	1040	0.271776
570	0.00743	810	0.000985	1050	0.085203
580	0.005593	820	0.004916	1060	0.009715
590	0.005594	830	0.012185	1070	0.171765
600	0.008848	840	0.027379	1080	0.180002
610	0.006035	850	0.042487	1090	0.043413
620	0.003692	860	0.096102	1100	0.065762
630	0.003212	870	0.046833		

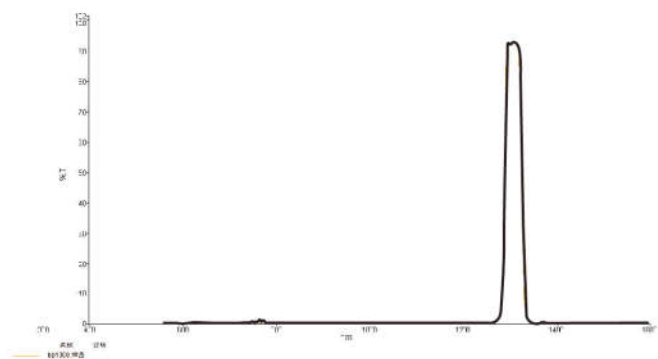


Blocking: > OD3
FWHM: 60nm(±5nm)

AZURE-BP1300

BP1300 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.016	660	0.004	920	0.032	1180	0.030
410	0.011	670	0.029	930	0.010	1190	0.025
420	0.009	680	0.052	940	0.030	1200	0.008
430	0.008	690	0.002	950	0.064	1210	0.024
440	0.008	700	0.047	960	0.028	1220	0.031
450	0.007	710	0.052	970	0.004	1230	0.014
460	0.005	720	0.106	980	0.005	1240	0.126
470	0.005	730	0.218	990	0.038	1250	0.015
480	0.007	740	0.166	1000	0.097	1260	0.089
490	0.005	750	0.439	1010	0.046	1270	0.651
500	0.003	760	0.706	1020	0.043	1280	4.444
510	0.004	770	0.654	1030	0.078	1290	74.742
520	0.004	780	0.024	1040	0.021	1300	92.247
530	0.004	790	0.001	1050	0.065	1310	92.665
540	0.002	800	0.004	1060	0.001	1320	83.917
550	0.000	810	0.005	1070	0.015	1330	10.251
560	0.006	820	0.002	1080	0.035	1340	0.714
570	0.002	830	0.011	1090	0.063	1350	0.037
580	0.000	840	0.053	1100	0.018	1360	0.032
590	0.002	850	0.025	1110	0.010	1370	0.454
600	0.003	860	0.030	1120	0.020	1380	0.301
610	0.002	870	0.005	1130	0.008	1390	0.191
620	0.007	880	0.054	1140	0.044	1400	0.137
630	0.001	890	0.025	1150	0.016		
640	0.005	900	0.033	1160	0.013		
650	0.005	910	0.043	1170	0.033		



Blocking: > OD3
FWHM: 20nm(±5nm)

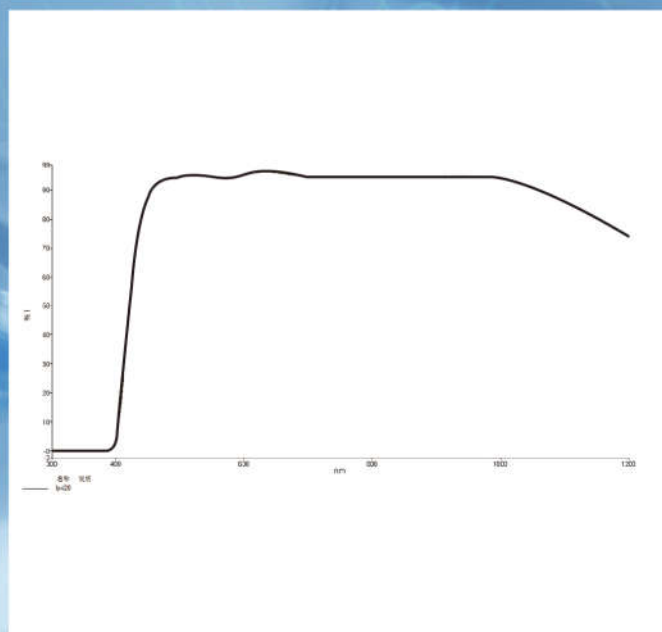
LONGPASS FILTER



— AZURE-LP420 —

LP420 Transmission Data(Typical)

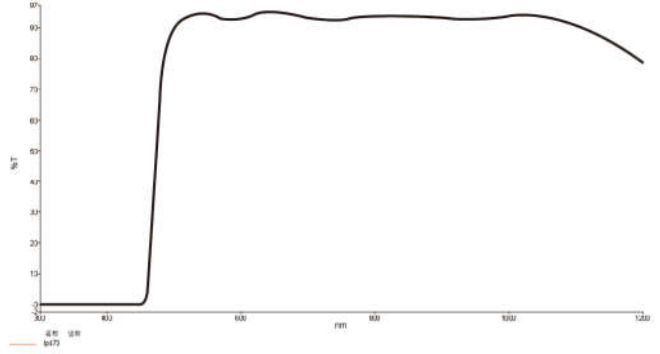
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	4.34432	640	96.046804	880	94.619837
410	21.65903	650	95.868202	890	94.739146
420	48.657754	660	95.648396	900	94.784547
430	68.89607	670	95.259696	910	94.710676
440	80.933448	680	94.99945	920	94.766239
450	87.849511	690	94.672351	930	94.806201
460	91.490515	700	94.475046	940	94.806966
470	93.044605	710	94.381298	950	94.892751
480	93.796193	720	94.337566	960	94.760919
490	94.225672	730	94.33109	970	94.684488
500	94.554084	740	94.310566	980	94.376048
510	95.091633	750	94.281772	990	94.219217
520	95.42105	760	94.360153	1000	93.810012
530	95.265954	770	94.422687	1010	93.483653
540	94.94495	780	94.446078	1020	92.821711
550	94.533273	790	94.536522	1030	92.310575
560	94.203482	800	94.57438	1040	91.583796
570	94.367724	810	94.506702	1050	90.872628
580	94.610844	820	94.499522	1060	90.064422
590	94.861964	830	94.454391	1070	89.123839
600	95.295098	840	94.548434	1080	88.045368
610	95.71601	850	94.525147	1090	87.073787
620	95.896797	860	94.55777	1100	85.965042
630	96.165205	870	94.662811		



AZURE-LP470

LP470 Transmission Data(Typical)

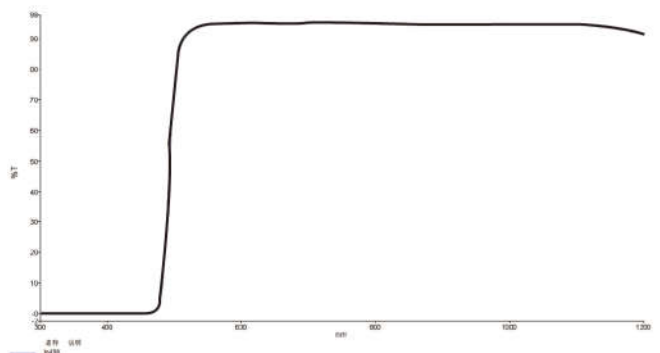
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.005504	640	94.881488	880	93.100858
410	0.002456	650	94.875107	890	92.95095
420	0.001354	660	94.782554	900	92.942962
430	0.000807	670	94.326941	910	92.764817
440	0.002143	680	94.001496	920	92.664299
450	0.091028	690	93.471341	930	92.779508
460	4.71562	700	93.074011	940	92.766023
470	35.912112	710	92.834811	950	92.936912
480	70.439405	720	92.635771	960	93.056119
490	84.707116	730	92.589744	970	93.215777
500	89.637553	740	92.579081	980	93.3616
510	92.112905	750	92.693054	990	93.490157
520	93.741287	760	92.937499	1000	93.676455
530	94.623958	770	93.070667	1010	93.76108
540	94.689618	780	93.356245	1020	93.734245
550	94.251421	790	93.563382	1030	93.685385
560	93.594028	800	93.684418	1040	93.606641
570	92.963544	810	93.726391	1050	93.42714
580	92.659413	820	93.772784	1060	93.118262
590	92.64966	830	93.642115	1070	92.69362
600	93.055811	840	93.597655	1080	92.085011
610	93.586898	850	93.42247	1090	91.554177
620	94.119127	860	93.557773	1100	90.737802
630	94.656252	870	93.273133		



AZURE-LP490

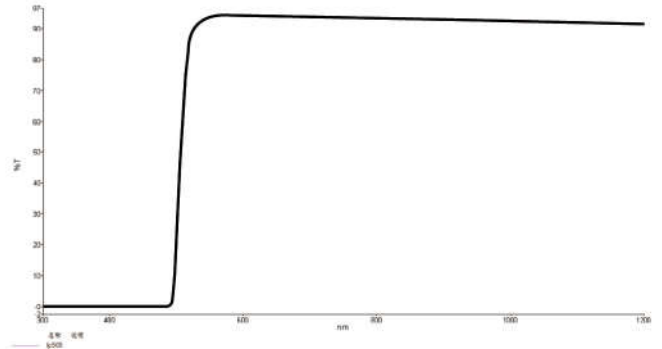
LP490 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.007981	640	94.769509	880	94.528862
410	0.008733	650	94.693333	890	94.595912
420	0.005687	660	94.838545	900	94.522175
430	0.002691	670	94.870401	910	94.43921
440	0.010717	680	95.085234	920	94.39536
450	0.055583	690	95.194206	930	94.371656
460	0.20572	700	95.252145	940	94.42637
470	0.627032	710	95.379031	950	94.412823
480	5.842755	720	95.364816	960	94.409014
490	37.869319	730	95.339271	970	94.410577
500	73.898218	740	95.218965	980	94.315553
510	87.644295	750	95.1066	990	94.427065
520	91.995724	760	95.015897	1000	94.457102
530	93.427489	770	94.832169	1010	94.447039
540	94.000413	780	94.706349	1020	94.433052
550	94.357713	790	94.670852	1030	94.329131
560	94.627033	800	94.599079	1040	94.545037
570	95.173828	810	94.471645	1050	94.555289
580	95.354457	820	94.516039	1060	94.60844
590	95.326007	830	94.477975	1070	94.74791
600	95.35494	840	94.433009	1080	94.524397
610	95.31419	850	94.417646	1090	94.560635
620	95.024232	860	94.574677	1100	94.444092
630	94.931149	870	94.583747		



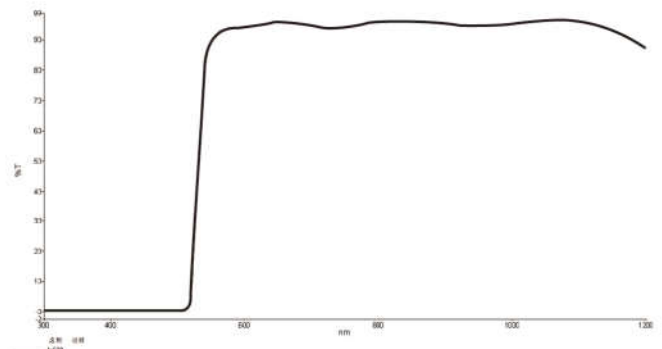
AZURE-LP505

LP505 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.00688	640	94.201645	880	93.273728
410	0.009551	650	94.115947	890	93.193469
420	0.007312	660	94.200474	900	93.183115
430	0.005919	670	94.082273	910	93.021378
440	0.00643	680	94.108176	920	92.828563
450	0.004296	690	94.044461	930	92.857839
460	0.001861	700	93.997549	940	92.796131
470	0.006219	710	93.977474	950	92.741753
480	0.001998	720	93.948463	960	92.676231
490	0.517883	730	93.87568	970	92.582258
500	22.574626	740	93.787637	980	92.35352
510	67.116017	750	93.719079	990	92.404003
520	85.537597	760	93.67063	1000	92.335397
530	91.265338	770	93.562735	1010	92.287073
540	93.091152	780	93.548023	1020	92.091084
550	93.743611	790	93.543563	1030	92.079731
560	93.965833	800	93.502362	1040	92.128231
570	94.104208	810	93.336038	1050	91.982217
580	94.204432	820	93.362225	1060	91.987557
590	94.159257	830	93.323336	1070	92.010447
600	94.193733	840	93.211395	1080	91.948597
610	94.289561	850	93.127039	1090	91.820304
620	94.186052	860	93.451883	1100	91.747679
630	94.22922	870	93.391729		



AZURE-LP530

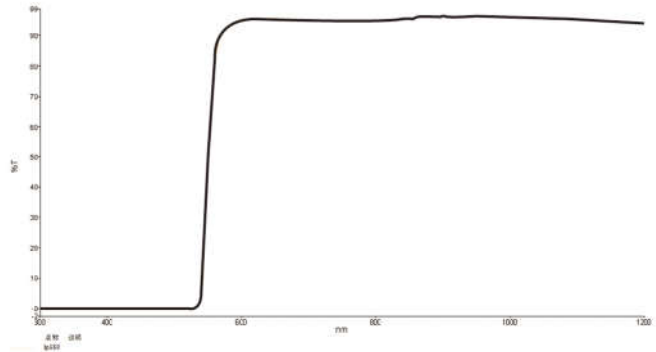
LP530 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.005504	640	95.604348	880	95.633202
410	0.007368	650	95.773815	890	95.385387
420	0.007041	660	95.851306	900	95.244943
430	0.005919	670	95.558932	910	94.929268
440	0.006698	680	95.32081	920	94.792996
450	0.004296	690	94.880041	930	94.862202
460	0.003721	700	94.473961	940	94.720008
470	0.007514	710	94.25271	950	94.762586
480	0.005243	720	94.038715	960	94.850533
490	0.00025	730	93.999385	970	94.935736
500	0.004152	740	94.0855	980	94.953231
510	0.108643	750	94.27165	990	95.268901
520	6.627288	760	94.598661	1000	95.423315
530	45.529866	770	94.903595	1010	95.621857
540	79.084356	780	95.246431	1020	95.792659
550	89.686858	790	95.546498	1030	95.925946
560	92.400035	800	95.879445	1040	96.074018
570	93.524473	810	95.909175	1050	96.260772
580	93.895661	820	96.066059	1060	96.390082
590	94.034797	830	96.023914	1070	96.342392
600	94.335537	840	95.998338	1080	96.337303
610	94.65865	850	95.89144	1090	96.194809
620	94.91392	860	96.036675	1100	96.094309
630	95.373326	870	95.792681		



AZURE-LP550

LP550 Transmission Data(Typical)

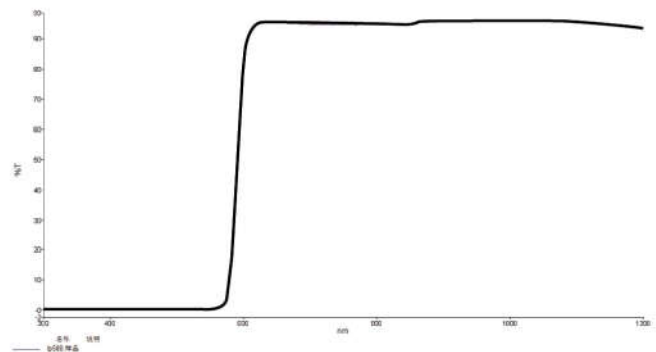
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009082	640	95.567704	880	96.14932
410	0.01419	650	95.598815	890	96.140166
420	0.009207	660	95.533951	900	96.398778
430	0.008072	670	95.379479	910	96.214561
440	0.007234	680	95.311352	920	96.133332
450	0.005639	690	95.178213	930	96.26951
460	0.007708	700	95.005261	940	96.18253
470	0.015028	710	94.954994	950	96.212819
480	0.009239	720	94.80862	960	96.321025
490	0.004243	730	94.802515	970	96.207202
500	0.003633	740	94.741925	980	96.093269
510	0.004667	750	94.716185	990	96.168275
520	0.007311	760	94.748318	1000	96.076066
530	0.073099	770	94.761555	1010	96.079045
540	5.51916	780	94.843737	1020	95.957594
550	47.799646	790	94.880655	1030	95.860546
560	80.926063	800	95.007211	1040	95.945999
570	90.435881	810	95.031177	1050	95.88372
580	92.950706	820	95.136991	1060	95.719714
590	93.994942	830	95.191788	1070	95.714354
600	94.627061	840	95.305	1080	95.500116
610	95.059774	850	95.425074	1090	95.497726
620	95.334626	860	96.011226	1100	95.445682
630	95.515364	870	96.062817		



AZURE-LP580

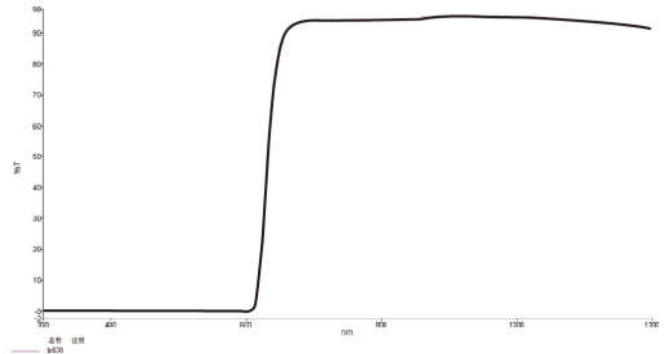
LP580 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009082	640	95.387445	880	95.757647
410	0.01037	650	95.331009	890	95.716693
420	0.009749	660	95.262955	900	95.831193
430	0.008879	670	95.078025	910	95.80612
440	0.009377	680	95.003849	920	95.789919
450	0.006981	690	94.829652	930	95.908689
460	0.007176	700	94.749482	940	95.810612
470	0.010623	710	94.745771	950	95.934956
480	0.009488	720	94.714324	960	96.067767
490	0.004492	730	94.69567	970	95.964631
500	0.004931	740	94.666208	980	95.914967
510	0.010631	750	94.654628	990	96.034254
520	0.048152	760	94.684852	1000	96.008314
530	0.141063	770	94.643459	1010	96.01482
540	0.246693	780	94.655383	1020	95.989945
550	0.314575	790	94.69928	1030	95.981271
560	0.49039	800	94.741497	1040	95.918768
570	1.435988	810	94.664261	1050	95.963797
580	10.636394	820	94.788762	1060	95.848841
590	49.658902	830	94.773956	1070	95.833635
600	82.241476	840	94.869891	1080	95.731295
610	92.351494	850	94.750623	1090	95.607318
620	94.766224	860	95.704767	1100	95.510562
630	95.42725	870	95.727328		



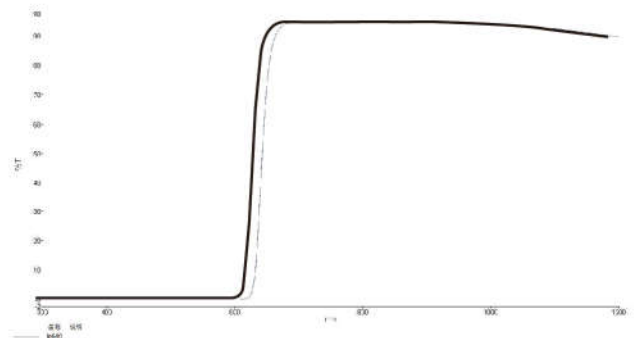
AZURE-LP630

LP630 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.01321	640	71.929781	880	95.144145
410	0.014736	650	85.387641	890	95.158349
420	0.011103	660	90.676638	900	95.130466
430	0.011032	670	92.599181	910	95.09126
440	0.010181	680	93.446979	920	95.067832
450	0.010204	690	93.819901	930	95.234897
460	0.011429	700	94.02445	940	95.132128
470	0.015805	710	94.192072	950	95.238087
480	0.012734	720	94.224326	960	95.12469
490	0.006988	730	94.239418	970	95.145198
500	0.009083	740	94.248198	980	95.056179
510	0.011409	750	94.22228	990	95.150105
520	0.010336	760	94.341318	1000	94.932248
530	0.016135	770	94.247166	1010	95.024009
540	0.00312	780	94.267394	1020	94.821259
550	0.028185	790	94.329923	1030	94.773142
560	0.057496	800	94.311853	1040	94.795594
570	0.039469	810	94.245351	1050	94.653044
580	0.033324	820	94.38941	1060	94.533012
590	0.025871	830	94.3518	1070	94.502986
600	0.042611	840	94.416661	1080	94.060978
610	0.800158	850	94.386028	1090	94.084677
620	13.065402	860	95.101281	1100	93.870218
630	45.182986	870	95.181892		



AZURE-LP640

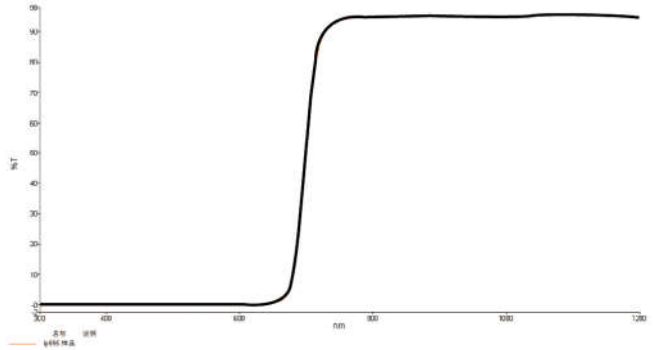
LP640 Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009357	640	40.616252	880	95.056018
410	0.007914	650	74.296953	890	95.008532
420	0.008666	660	88.358171	900	94.967817
430	0.010225	670	92.828322	910	94.926252
440	0.008574	680	94.307679	920	94.781832
450	0.00913	690	94.731065	930	94.84643
460	0.006911	700	94.869887	940	94.693619
470	0.011141	710	94.992194	950	94.62764
480	0.009738	720	94.974649	960	94.683879
490	0.005491	730	95.013256	970	94.513626
500	0.007526	740	94.916096	980	94.410364
510	0.008816	750	94.919655	990	94.335888
520	0.01084	760	94.90084	1000	94.151424
530	0.008557	770	94.81898	1010	94.146258
540	0.008399	780	94.855219	1020	93.993756
550	0.005733	790	94.799977	1030	93.81424
560	0.006708	800	94.833521	1040	93.773385
570	0.001393	810	94.69597	1050	93.497671
580	0.012817	820	94.798004	1060	93.416262
590	0.029134	830	94.681978	1070	93.175693
600	0.056815	840	94.723935	1080	92.985199
610	0.129529	850	94.727898	1090	92.813692
620	0.565864	860	95.134739	1100	92.620566
630	7.080787	870	95.124731		



AZURE-LP695

LP695 Transmission Data(Typical)

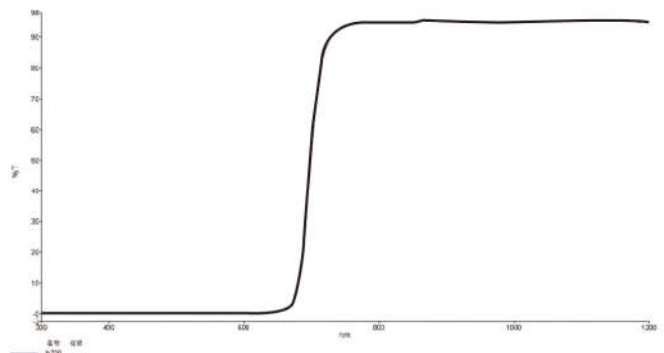
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.012935	640	0.368713	880	95.28034
410	0.013372	650	0.646934	890	95.197493
420	0.011645	660	1.252178	900	94.955551
430	0.010225	670	2.962413	910	95.031999
440	0.011253	680	9.079691	920	94.943261
450	0.008324	690	26.693672	930	94.96375
460	0.009037	700	53.425463	940	94.838313
470	0.013473	710	74.407918	950	94.828111
480	0.011486	720	85.553153	960	94.873734
490	0.007487	730	90.537767	970	94.878015
500	0.008823	740	92.727178	980	94.801816
510	0.011409	750	93.751717	990	94.94987
520	0.010084	760	94.197804	1000	94.883248
530	0.014424	770	94.479909	1010	95.034448
540	0.010559	780	94.645915	1020	94.911062
550	0.008838	790	94.794772	1030	95.000627
560	0.009103	800	94.954625	1040	95.179298
570	0.004179	810	94.89804	1050	95.209164
580	0.003262	820	94.983817	1060	95.25708
590	0.014217	830	95.007635	1070	95.378069
600	0.036324	840	95.02018	1080	95.343761
610	0.071729	850	95.03973	1090	95.47902
620	0.123004	860	95.387986	1100	95.470365
630	0.212483	870	95.311885		



AZURE-LP700

LP700 Transmission Data(Typical)

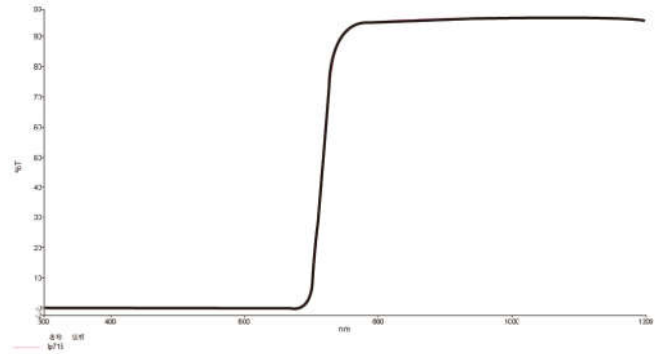
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.012935	640	0.368713	880	95.28034
410	0.013372	650	0.646934	890	95.197493
420	0.011645	660	1.252178	900	94.955551
430	0.010225	670	2.962413	910	95.031999
440	0.011253	680	9.079691	920	94.943261
450	0.008324	690	26.693672	930	94.96375
460	0.009037	700	53.425463	940	94.838313
470	0.013473	710	74.407918	950	94.828111
480	0.011486	720	85.553153	960	94.873734
490	0.007487	730	90.537767	970	94.878015
500	0.008823	740	92.727178	980	94.801816
510	0.011409	750	93.751717	990	94.94987
520	0.010084	760	94.197804	1000	94.883248
530	0.014424	770	94.479909	1010	95.034448
540	0.010559	780	94.645915	1020	94.911062
550	0.008838	790	94.794772	1030	95.000627
560	0.009103	800	94.954625	1040	95.179298
570	0.004179	810	94.89804	1050	95.209164
580	0.003262	820	94.983817	1060	95.25708
590	0.014217	830	95.007635	1070	95.378069
600	0.036324	840	95.02018	1080	95.343761
610	0.071729	850	95.03973	1090	95.47902
620	0.123004	860	95.387986	1100	95.470365
630	0.212483	870	95.311885		



AZURE-LP715

LP715 Transmission Data(Typical)

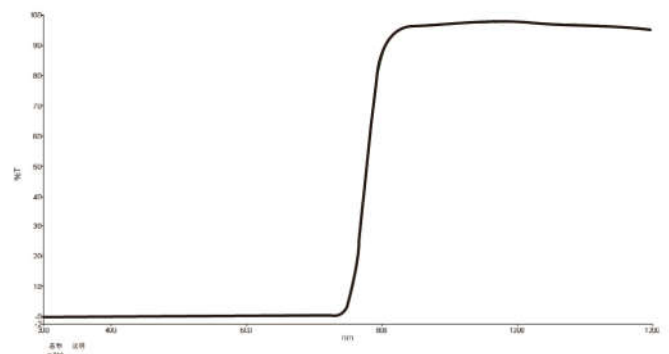
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.008807	640	0.000455	880	95.801087
410	0.007914	650	0.000677	890	95.819003
420	0.009207	660	0.014782	900	95.82746
430	0.007534	670	0.054568	910	95.815347
440	0.006698	680	0.205222	920	95.803741
450	0.006713	690	1.094974	930	95.784635
460	0.006113	700	7.1937	940	95.817342
470	0.010882	710	29.753534	950	95.860045
480	0.008989	720	59.967263	960	95.939544
490	0.00574	730	78.890579	970	95.953122
500	0.00545	740	87.601765	980	95.897809
510	0.007519	750	91.391879	990	96.020091
520	0.008572	760	93.101281	1000	96.02795
530	0.010512	770	93.924938	1010	96.039236
540	0.008399	780	94.368521	1020	96.076036
550	0.006688	790	94.596981	1030	96.128155
560	0.008145	800	94.893675	1040	96.085334
570	0.006965	810	94.981546	1050	96.384335
580	0.005593	820	95.192637	1060	96.398561
590	0.004195	830	95.327986	1070	96.400708
600	0.007218	840	95.437167	1080	96.24289
610	0.004411	850	95.448788	1090	96.306342
620	0.002308	860	95.70014	1100	96.33479
630	0.001377	870	95.741218		



AZURE-LP780

LP780 Transmission Data(Typical)

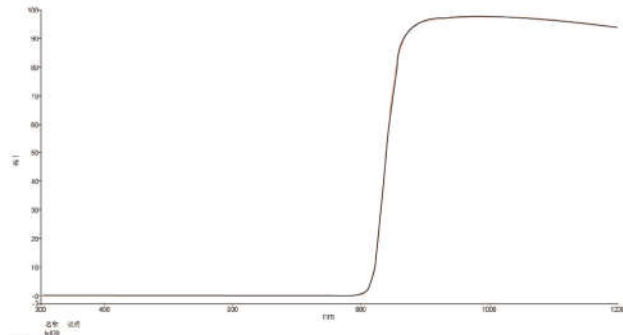
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009908	640	0.004324	880	97.109631
410	0.010916	650	0.007226	890	97.173939
420	0.008395	660	0.006943	900	97.244733
430	0.008341	670	0.004436	910	97.319231
440	0.006698	680	0.003739	920	97.309227
450	0.006444	690	0.003505	930	97.438279
460	0.006911	700	0.000217	940	97.419599
470	0.011401	710	0.006236	950	97.442214
480	0.010986	720	0.043849	960	97.591567
490	0.004992	730	0.209686	970	97.551086
500	0.006228	740	0.957625	980	97.605124
510	0.008557	750	3.956406	990	97.615241
520	0.010084	760	13.022747	1000	97.629047
530	0.012224	770	31.331648	1010	97.615686
540	0.008159	780	54.802923	1020	97.594214
550	0.007643	790	74.282757	1030	97.294393
560	0.007906	800	85.981308	1040	97.34643
570	0.006965	810	91.742919	1050	97.318567
580	0.006525	820	94.40691	1060	97.200706
590	0.005827	830	95.642441	1070	97.164108
600	0.008615	840	96.288082	1080	97.280375
610	0.003714	850	96.600473	1090	97.239198
620	0.004846	860	96.838417	1100	97.111767
630	0.003212	870	97.045599		



AZURE-LP830

LP830 Transmission Data(Typical)

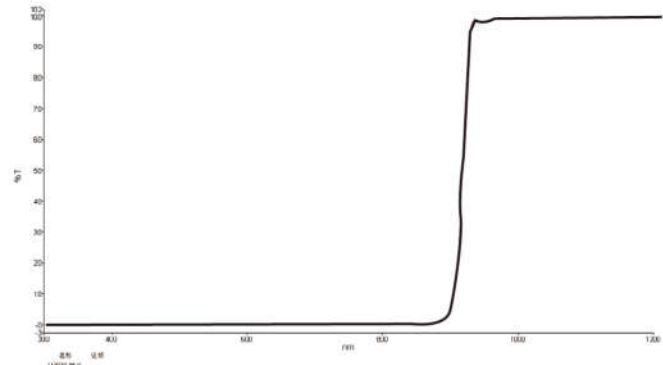
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.011559	640	0.00478	880	94.019865
410	0.013645	650	0.008581	890	95.305853
420	0.008937	660	0.008063	900	96.006819
430	0.007534	670	0.005102	910	96.349584
440	0.009109	680	0.004839	920	96.624706
450	0.006444	690	0.005696	930	96.83697
460	0.007708	700	0.004556	940	96.985164
470	0.009587	710	0.007741	950	97.094045
480	0.012235	720	0.007024	960	97.232047
490	0.006489	730	0.003161	970	97.330647
500	0.007266	740	0.001877	980	97.28142
510	0.010112	750	0.001446	990	97.329672
520	0.011345	760	0.000614	1000	97.342119
530	0.011979	770	0.005073	1010	97.405846
540	0.009839	780	0.027195	1020	97.352381
550	0.007882	790	0.12472	1030	97.235003
560	0.009583	800	0.566086	1040	97.26686
570	0.007662	810	2.55876	1050	97.182277
580	0.006758	820	9.93995	1060	97.03307
590	0.00909	830	28.252201	1070	96.982094
600	0.010012	840	53.991124	1080	96.767368
610	0.006964	850	74.464124	1090	96.671296
620	0.004846	860	85.578446	1100	96.589903
630	0.005278	870	91.313801		



AZURE-LP920

LP920 Transmission Data(Typical)

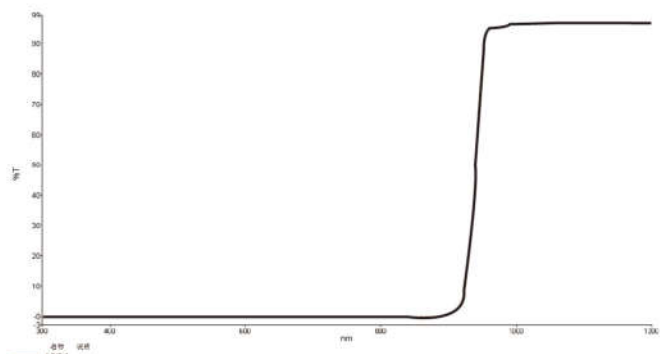
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.016553	640	0.005334	880	0.509459
410	0.012293	650	0.005151	890	1.493147
420	0.007918	660	0.005287	900	5.146875
430	0.005995	670	0.003866	910	19.451017
440	0.004257	680	0.00354	920	61.987276
450	0.005093	690	0.004446	930	95.920362
460	0.007435	700	0.001983	940	98.310633
470	0.003855	710	0.00182	950	98.139344
480	0.004793	720	0.00211	960	98.88924
490	0.002769	730	0.000449	970	99.170642
500	0.000984	740	0.001194	980	99.118426
510	0.001807	750	0.00193	990	99.112748
520	0.005875	760	0.002071	1000	99.252664
530	0.005488	770	0.003679	1010	99.34439
540	0.002389	780	0.003367	1020	99.373649
550	0.000157	790	0.000292	1030	99.27505
560	0.003789	800	0.001164	1040	99.272965
570	0.000631	810	0.000289	1050	99.324928
580	0.002198	820	0.001153	1060	99.430894
590	0.001722	830	0.011978	1070	99.475876
600	0.001253	840	0.026569	1080	99.525745
610	0.004713	850	0.057374	1090	99.494491
620	0.007242	860	0.017812	1100	99.49322
630	0.00582	870	0.173191		



AZURE-LP940

LP940 Transmission Data(Typical)

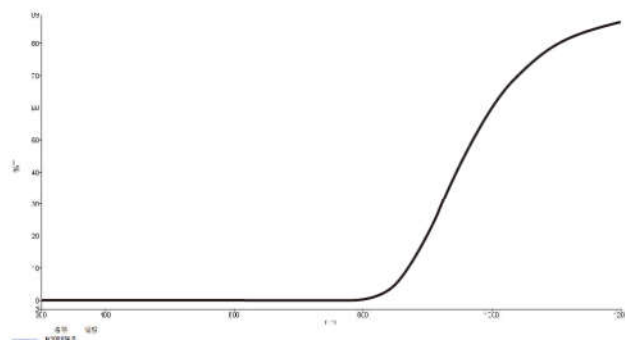
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.008532	640	0.00478	880	0.150082
410	0.011734	650	0.007452	890	0.334686
420	0.007853	660	0.007615	900	0.68775
430	0.008879	670	0.004436	910	1.959699
440	0.007234	680	0.004399	920	5.973923
450	0.005907	690	0.005039	930	19.05421
460	0.005847	700	0.003905	940	51.935123
470	0.00881	710	0.007956	950	86.044543
480	0.010986	720	0.008727	960	94.83176
490	0.006739	730	0.003583	970	95.131918
500	0.005969	740	0.00292	980	95.378291
510	0.009334	750	0.003099	990	96.061873
520	0.01084	760	0.002866	1000	96.364939
530	0.010024	770	0.005479	1010	96.475193
540	0.008639	780	0.006245	1020	96.313627
550	0.007643	790	0.003603	1030	96.424752
560	0.009583	800	0.002789	1040	96.611027
570	0.005804	810	0.002363	1050	96.712774
580	0.007224	820	0.002163	1060	96.70027
590	0.005361	830	0.002948	1070	96.841077
600	0.009314	840	0.015758	1080	96.593366
610	0.004875	850	0.027271	1090	96.637589
620	0.005077	860	0.087738	1100	96.530841
630	0.003671	870	0.055024		



AZURE-LP1000

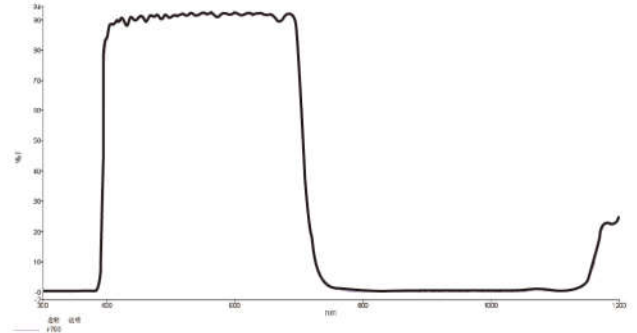
LP1000 Transmission Data(Typical)

wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	0.009357	640	0.005235	880	13.193506
410	0.009551	650	0.00971	890	16.764736
420	0.007853	660	0.008063	900	20.437323
430	0.008341	670	0.006211	910	24.748273
440	0.009109	680	0.004839	920	29.058221
450	0.006444	690	0.00482	930	33.380533
460	0.007974	700	0.005641	940	37.592559
470	0.012696	710	0.007741	950	41.997776
480	0.011236	720	0.00745	960	46.084503
490	0.003744	730	0.004215	970	50.124384
500	0.007526	740	0.001669	980	53.657674
510	0.007779	750	0.002272	990	57.109042
520	0.00958	760	0.012693	1000	60.274014
530	0.012224	770	0.036728	1010	63.240586
540	0.009599	780	0.092263	1020	65.81359
550	0.01051	790	0.207601	1030	68.227542
560	0.010062	800	0.415501	1040	70.497224
570	0.006965	810	0.769479	1050	72.437401
580	0.007923	820	1.337465	1060	74.153119
590	0.004195	830	2.195878	1070	75.829005
600	0.010012	840	3.415083	1080	77.221574
610	0.005571	850	5.046627	1090	78.541314
620	0.005539	860	7.362672	1100	79.628102
630	0.005278	870	9.97028		



IR CUT FILTER

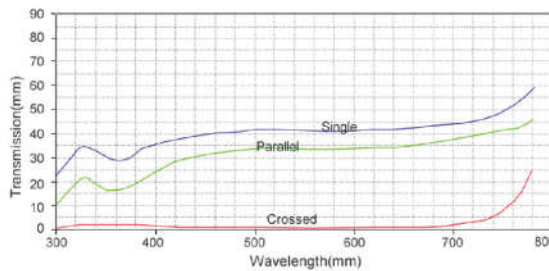
UV&IR CUT Transmission Data(Typical)					
wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)	wavelength (nm)	transmission (%)
400	83.690291	640	91.740144	880	0.190317
410	88.014234	650	91.318888	890	0.110139
420	89.498171	660	90.927252	900	0.074837
430	87.808015	670	89.157193	910	0.067955
440	90.200139	680	91.350989	920	0.107914
450	90.381646	690	90.888796	930	0.017899
460	89.158753	700	75.056026	940	0.06358
470	91.022555	710	35.450937	950	0.045868
480	90.960958	720	16.761459	960	0.145225
490	91.279107	730	7.142195	970	0.356598
500	90.502215	740	2.589406	980	0.229953
510	90.946877	750	1.272668	990	0.023193
520	91.392441	760	0.885244	1000	0.014329
530	91.775316	770	0.61057	1010	0.02477
540	91.08017	780	0.334807	1020	0.076369
550	91.698753	790	0.201995	1030	0.005833
560	91.748897	800	0.169507	1040	0.101142
570	90.839861	810	0.182572	1050	0.263035
580	91.763162	820	0.168314	1060	0.600063
590	91.526261	830	0.105932	1070	0.825073
600	91.830106	840	0.077804	1080	0.752657
610	91.283224	850	0.078255	1090	0.593315
620	91.736823	860	0.058729	1100	0.547428
630	91.507553	870	0.147978		



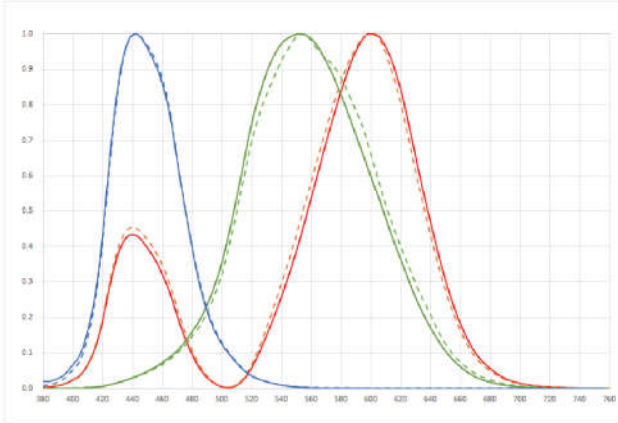
Polarizing Filters Series

AZURE Polarizing filters are constructed with dichroic sheets of laminated polymers that are cemented between protective glasses. They filter out light polarized perpendicularly to the axis of the filter. AZURE offers linear polarizing filters and circular polarizing filters in most sizes.

AZURE-PLL-Linear Polarizer
AZURE-PLC-Circular Polarizer



CIE RGB FILTER






AZURE PHOTONICS CO.,LTD

Website:<http://www.azurephotonics.com>

E-mail:sales@azurephotonics.com

 **Tel: +86-591-83850581**

Address:Building No.15,Haixi Hi-Tech Park,Wulongjisng Avenue,
Shangjie Town,Minhou County,Fuzhou,Fujian 350108,P.R.China



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