

ITS • FA / Machine Vision Lenses

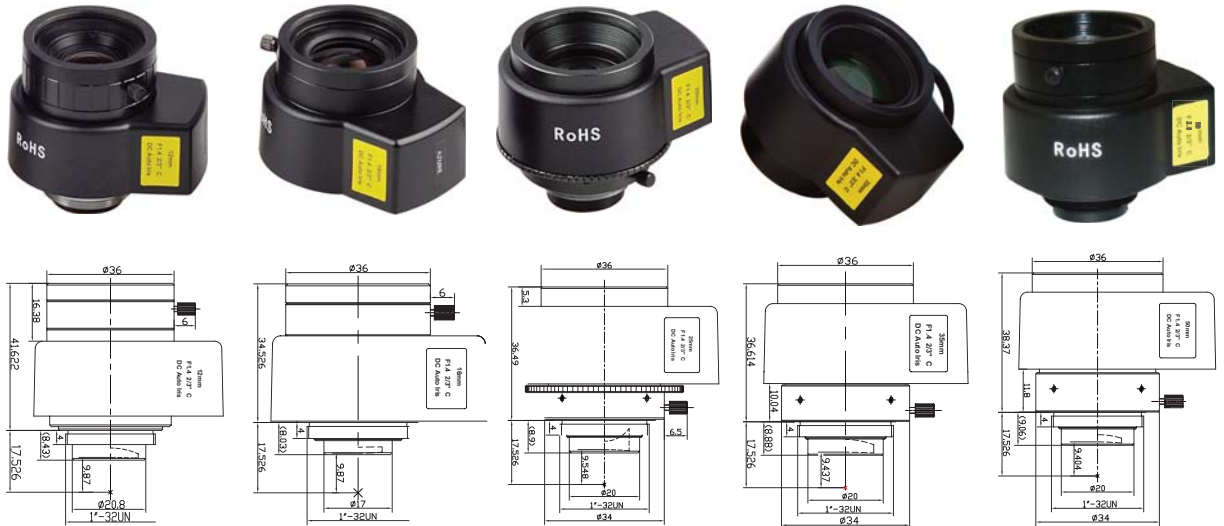
Professional Designer & Manufacture



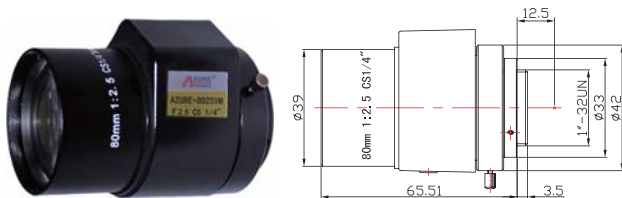
Do better than asked forever

Fixed Mega-pixel Auto Iris Lenses

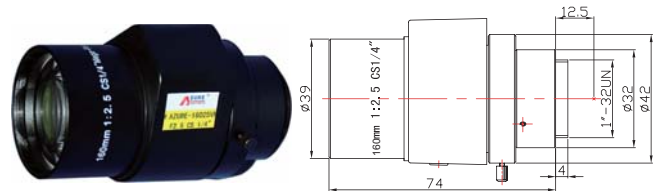
2/3"Format Auto Iris Fixed Lenses



Item No	AZURE-1214DM	AZURE-1614DM	AZURE-2514DM	AZURE-3514DM	AZURE-5020DM	
Resolution	100lp/mm(2MP)	100lp/mm(2MP)	100lp/mm(2MP)	100lp/mm (2MP)	100lp/mm (2MP)	
Format	2/3"	2/3"	2/3"	2/3"	2/3"	
Mount	C	C	C	C	C	
Focal Length	12mm	16mm	25mm	35mm	50mm	
F / No	F1.4~Close	F1.4~Close	F1.4~Close	F1.4~Close	F2.0~Close	
Back Focus	9.62mm	9.14mm	9.04mm	9.44mm	9.4mm	
Iris Type	Auto(DC Type)	Auto(DC Type)	Auto(DC Type)	Auto(DC Type)	Auto(DC Type)	
Angle of View (D×V×H)	2/3 format	49.24° × 30.75° × 40.27°	37.94° × 23.31° × 30.75°	24.81° × 15.04° × 19.96°	17.86° × 10.77° × 14.33°	12.55° × 7.55° × 10.06°
	1/2 format	36.86° × 22.62° × 29.86°	28.07° × 17.06° × 22.62°	18.18° × 10.97° × 14.59°	13.03° × 7.85° × 10.45°	9.15° × 5.50° × 7.32°
	1/3 format	28.07° × 17.06° × 22.62°	21.23° × 12.84° × 17.06°	13.69° × 8.24° × 10.97°	9.80° × 5.89° × 7.85°	6.87° × 4.12° × 5.50°
	1/4 format	18.92° × 11.42° × 15.19°	14.25° × 8.58° × 11.42°	9.15° × 5.50° × 7.32°	6.54° × 3.93° × 5.23°	4.58° × 2.75° × 3.67°
Distortion	<-1%	<-1%	<-1%	<-1%	<0.5%	
Focusing Range	∞ ~ 0.1m	∞ ~ 0.2m	∞ ~ 0.3m	∞ ~ 0.5m	∞ ~ 1m	
Design Wavelength	400~950nm	400~950nm	400~950nm	400nm~950nm	400nm~950nm	
Filter Thread	M30.5 × 0.5	M30.5 × 0.5	M30.5 × 0.5	M30.5 × 0.5	M30.5 × 0.5	
Dimension	∅ 36 × 41.62mm	∅ 36 × 34.53mm	∅ 36 × 36.49mm	∅ 36 × 36.61mm	∅ 36 × 38.37mm	
Weight	146g	126.5g	101.5g	104.5g	-	



Item No	AZURE-8025VM
Resolution	100lp/mm(2MP)
Format	2/3"
Mount	CS
Focal Length	80mm
F / No	F2.5
Back Focus	14.4mm
Iris Type	Video Auto Iris
Angle of View	4°
Distortion	<1%
Focusing Range	∞ ~ 6m
Filter Thread	M37 × 0.5
Dimension	∅ 39 × 65.51mm
Weight	150g



Item No	AZURE-16025VM
Resolution	100lp/mm(2MP)
Format	2/3"
Mount	CS
Focal Length	160mm
F / No	F2.5
Back Focus	12.5mm
Iris Type	Video Auto Iris
Angle of View	4°
Distortion	<1%
Focusing Range	∞ ~ 6m
Filter Thread	M37 × 0.5
Dimension	∅ 39 × 74mm
Weight	150g

Vari Focal Lenses Series

Manual Iris Fixed Lenses Series



Item No	AZURE-0412ZM	AZURE-0850ZM	AZURE-1236ZM	AZURE-1060ZM	AZURE-1040Z3M	AZURE-1632ZL5M
Resolution	120lp/mm (2MP)	120lp/mm (2MP)	120lp/mm (2MP)	120lp/mm (2MP)	120lp/mm (3MP)	150lp/mm (5MP)
Format	1/2"	1/2"	2/3"	2/3"	2/3"	1"
Mount	C	C	C	C	C	C
Focal Length	4~12mm	8~50mm	12~36mm	10~60mm	10~40mm	16~32mm
F / No	F1.4	F1.6	F2.8	F1.4	F1.8~F16	F1.8~F16
Back Focus	9.55~16.5mm	9.7~14.08mm	10.51mm	10.51mm	10.1mm	21.58mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of View	92°~ 31.2°	41°~ 7.2°	49.6°~ 17°	51°~ 11°	49°~ 16°	53.2°~ 27.5°
Distortion	-	-	<-3.5%	<12%~1%	<-3%~3%	<±1%
Focusing Range	∞ ~ 0.3m	∞ ~ 1m	∞ ~ 0.1m	∞ ~ 1m	∞ ~ 0.3m	∞ ~ 0.3m
Design Wavelength	400~950nm	400~950nm	400~950nm	400~950nm	400~950nm	400~950nm
Filter Thread	-	-	M35.5 × 0.5	M49 × 0.75	M40.5 × 0.5	M62 × 0.75
Dimension	∅ 37.2× 61.5mm	∅ 42× 65.6mm	∅ 38.5× 53.97mm	∅ 59.5× 126.97mm	∅ 44.5× 71.07mm	∅ 65× 113.4mm
Weight	-	-	156.5g	532.5g	225g	619g

Auto Iris Fixed Lenses Series



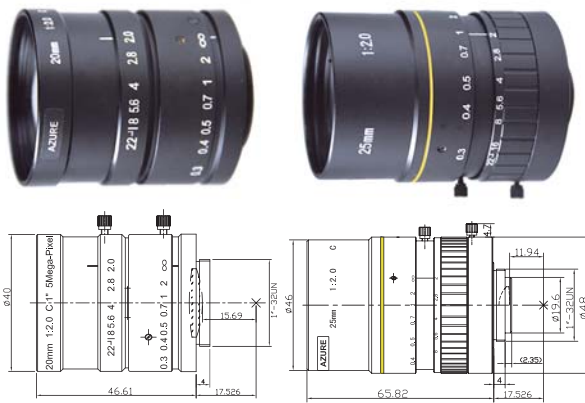
Item No	AZURE-0412ZD	AZURE-1236ZD	AZURE-0850ZD	AZURE-1060ZD	AZURE-IR1050Z2D	AZURE-IR1050Z3D
Resolution	120lp/mm (2MP)	120lp/mm (2MP)	120lp/mm (2MP)	120lp/mm (2MP)	120lp/mm (2MP)	120lp/mm (3MP)
Format	1/2"	2/3"	1/2"	2/3"	1/2.7"	1/2.7"
Mount	C	C	C	C	C	C
Focal Length	4~12mm	12~36mm	8.0~50mm	10~60mm	10~50mm	10~50mm
F / No	F1.4~Close	F2.8~Close	F1.6~Close	F1.4~Close	F1.4~Close	F1.4~Close
Back Focus	9.55~16.5mm	10.51mm	9.70~14.08mm	13.09mm	-	-
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris	2Motors Drivers	Manual Iris
Angle of View	92°~ 31.2°	49.6°~ 17°	41°~ 7.2°	51°~ 11°	29.6°~ 74°	29.6°~ 74°
Distortion	-	<-3.5%~+3.5%	-	<12~1%	-	-
Focusing Range	∞ ~ 0.3m	∞ ~ 0.1m	∞ ~ 1m	-	∞ ~ 0.2m	∞ ~ 0.2m
Design Wavelength	400~950nm	400~950nm	400~950nm	400~950nm	400~950nm	400~950nm
Filter Thread	-	M35.5×0.5mm	-	M49×0.75mm	-	-
Dimension	∅ 37.2×45.6× 61.5mm	∅ 38.5× 53.97mm	∅ 42×47.5× 65.6mm	∅ 59.5× 126.98mm	∅ 77.5× 83.5mm	∅ 42× 70.1× 47.8mm
Weight	-	146g	-	531g	340g	146g

1" Format C-mount Lenses Series

5 Mega-pixel 1" Format Lenses Series



Item No		AZURE-0614MLM	AZURE-06520ML5M	AZURE-1218ML5M	AZURE-1620ML5M
Resolution		100lp/mm (2MP)	150lp/mm (5MP)	150lp/mm (5MP)	150lp/mm (5MP)
Format		1"	1"	1"	1"
Mount		C	C	C	C
Focal Length		6.5mm	6.5mm	12mm	16mm
F / No		F1.4~F1.6	F2.0~F22	F1.8~F32	F2.0~F32
Back Focus		9.33mm	8.42mm	12.27mm	13.14mm
Iris Type		Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of View (D×V×H)	1 format	112°×72.89°×88.66°	101.81°×72.89°×88.66°	67.38°×43.60°×55.77°	53.13°×33.40°×43.30°
	2/3 format	85.02°×57.62°×72.51°	80.47°×53.83°×68.19°	49.24°×30.75°×40.27°	37.94°×23.31°×30.75°
	1/2 format	67.38°×43.60°×56.14°	67.38°×43.60°×56.14°	36.86°×22.62°×29.86°	28.07°×17.06°×22.62°
	1/3 format	53.13°×33.39°×43.60°	63.22°×40.53°×52.42°	28.07°×17.06°×22.62°	21.23°×12.84°×17.06°
	1/4 format	36.87°×22.60°×29.86°	34.21°×20.92°×27.66°	18.92°×11.42°×15.19°	14.25°×8.58°×11.42°
Distortion		<-19%	<10%	<-1%	<0.5%
Focusing Range		∞ ~ 0.15m	∞ ~ 0.1m	∞ ~ 0.2m	∞ ~ 0.2m
Design Wavelength		400~950nm	400~950nm	400~950nm	400~950nm
Filter Thread		M43 × 0.75	M52 × 0.75	M77 × 0.75	M37 × 0.75
Dimension		∅46×44.97mm	∅55×45.27mm	∅80×95.34mm	∅48×73.21mm
Weight		130g	135g	516g	360g



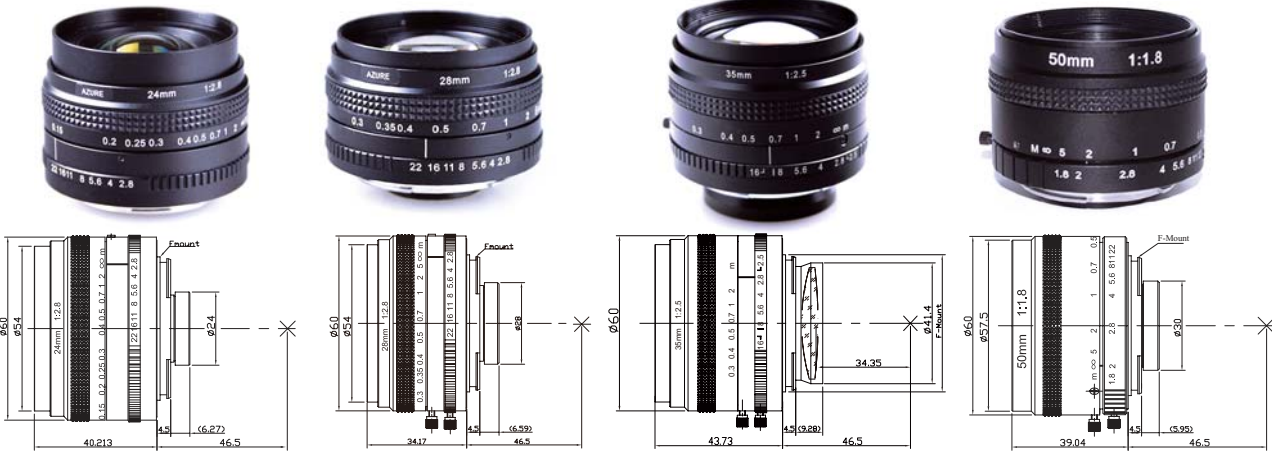
NEW

NEW

Item No		AZURE-2020ML5M	AZURE-2520ML5M	AZURE-3518ML5M	AZURE-7520ML5M
Resolution		150lp/mm (5MP)	150lp/mm (5MP)	150lp/mm (5MP)	150lp/mm (5MP)
Format		1"	1"	1"	1"
Mount		C	C	C	C
Focal Length		20mm	25mm	35mm	75mm
F / No		F2.0~F22	F2.0~F22	F1.8~F32	F2.0~F32
Back Focus		15.69mm	11.94mm	11.09mm	13.94mm
Iris Type		Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of View (D×V×H)	1 format	43.60°×26.99°×35.23°	35.49°×21.74°×28.50°	25.75°×15.62°×20.57°	12.18°×7.32°×9.68°
	2/3 format	30.75°×18.74°×24.81°	24.81°×15.04°×19.96°	17.86°×10.77°×14.33°	8.38°×5.04°×6.72°
	1/2 format	22.62°×13.69°×18.18°	18.18°×10.97°×14.59°	13.03°×7.85°×10.45°	6.10°×3.67°×4.89°
	1/3 format	17.06°×10.29°×13.69°	13.69°×8.24°×10.97°	9.80°×5.89°×7.85°	4.58°×2.75°×3.67°
	1/4 format	11.42°×6.87°×9.15°	9.15°×5.50°×7.32°	6.54°×3.93°×5.23°	3.05°×1.83°×2.44°
Distortion		<0.7%	<-0.12%	<-0.12%	<-0.3%
Focusing Range		∞ ~ 0.3m	∞ ~ 0.3m	-	-
Design Wavelength		400~950nm	400~950nm	400~950nm	400~950nm
Filter Thread		M37.5 × 0.5	M43 × 0.75	-	-
Dimension		∅40×46.61mm	∅48×65.82mm	-	-
Weight		143g	300g	-	-

F-Mount Lenses Series

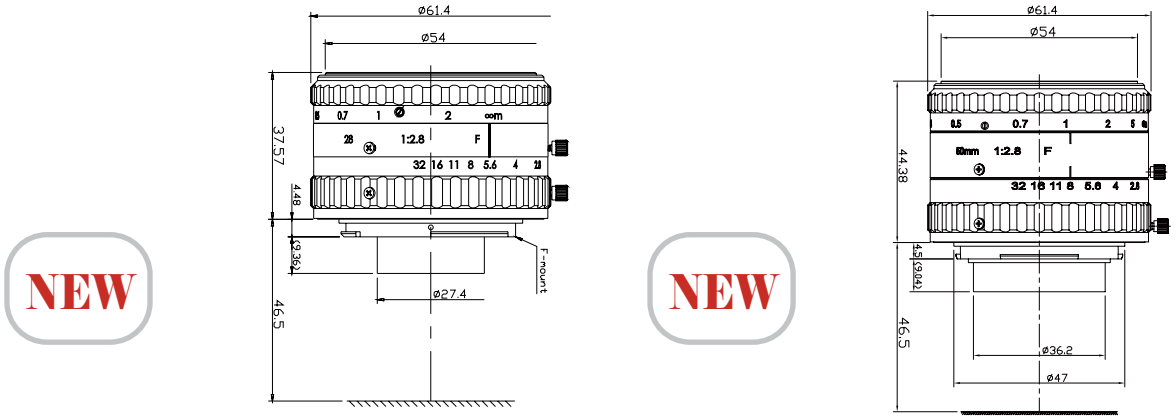
5 Mega-pixel Manual Iris Fixed Lenses



Item No	AZURE-2428MF	AZURE-2828MF	AZURE-3525MF	AZURE-5018MF
Resolution	301p/mm (5MP)	301p/mm (5MP)	301p/mm (5MP)	301p/mm (5MP)
Format	43mm	43mm	43mm	43mm
Mount	F	F	F	F
Focal Length	24mm	28mm	35mm	50mm
F / No	F2.8~F22	F2.8~F22	F2.5~F22	F1.8~F22
Back Focus	36mm	35.7mm	34.35mm	36.33mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of View(D)	84°	74°	52.3°	45°
Distortion	<-4%	<-3%	<-3%	<-1%
Focusing Range	∞ ~ 0.15m	∞ ~ 0.3m	∞ ~ 0.3m	∞ ~ 0.4m
Design Wavelength	400~950nm	400~950nm	400~950nm	400~950nm
Filter Thread	M52 × 0.75	M52 × 0.75	M52 × 0.75	M52 × 0.75
Dimension	∅60 × 40.21mm	∅60 × 34.17mm	∅60 × 43.73mm	∅60 × 39.04mm
Weight	227.5g	199.5g	273g	230g

* Options: F-mount, T-mount.

10 Mega-pixel Manual Iris Fixed Lenses



Item No	AZURE-2428MF-I	AZURE-2828MF-I	AZURE-3525MF-I	AZURE-5028MF-I
Resolution	501p/mm (10MP)	501p/mm (10MP)	501p/mm (10MP)	501p/mm (10MP)
Format	43mm	43mm	43mm	43mm
Mount	F	F	F	F
Focal Length	24mm	28mm	35mm	50mm
F / No	F2.8~F32	F2.8~F32	F2.5~F32	F2.8~F32
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Distortion	-	<-3%	-	<-2.5%
Focusing Range	-	∞ ~ 0.3m	-	∞ ~ 0.4m
Design Wavelength	400~950nm	400~950nm	400~950nm	400~950nm
Filter Thread	-	M52 × 0.75	-	M52 × 0.75
Dimension	-	∅61.4 × 37.57mm	-	∅61.4 × 44.38mm

3Mega-pixel Manual Iris Fixed Lenses

Item No	AZURE-DN1040Z3M	AZURE-1040Z3M
Resolution	1201p/mm (3MP)	1201p/mm (3MP)
Format	2/3"	2/3"
Mount	C	C
Focal Length	10~40mm	10~40mm
F / No	F1.8~F16	F1.8~F16
Back Focus	9.56mm	10.1mm
Iris Type	Manual Iris	Manual Iris
Angle of View(D)	54°~16°	49°~16°
Distortion	<-3~3%	<2~5%
Focusing Range	∞ ~ 0.3m	∞ ~ 0.3m
IR Correct	OK	-
Design Wavelength	400~950nm	400~950nm
Filter Thread	M40 × 0.5	M40.5 × 0.5
Dimension	∅44.4 × 77.92mm	∅44.5 × 71.07mm
Weight	240.5g	225g



AZURE-1040Z3M

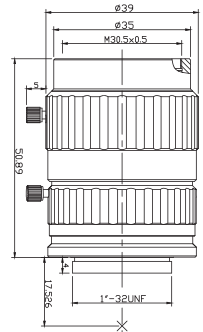
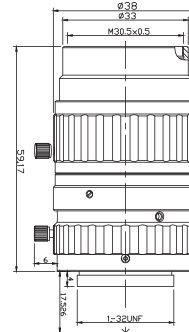
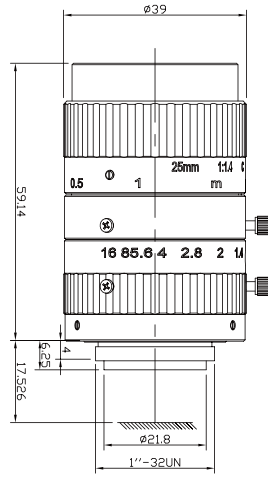


AZURE-DN1040Z3M

Day & Night Lenses

5 Mega-pixel 1" Format Lenses Series

NEW



Item No	AZURE-DN2080Z5M	AZURE-DN2514MML	AZURE-DN3520MML	AZURE-DN5028MML
Resolution	100lp/mm(5MP)	130lp/mm(5MP)	130lp/mm(5MP)	130lp/mm(5MP)
Format	1"	1"	1"	1"
Mount	C	C	C	C
Focal Length	20-80mm	25mm	35mm	50mm
F / No	F1.7	F1.4~F16	F2~F22	F2.8~F22
Back Focus	-	19.67mm	19.67mm	21.33mm
Iris Type	Manual Iris	Manual Iris	Manual Iris	Manual Iris
Angle of View (D×V×H)	1 format	-	25.75° × 15.62° × 20.57°	18.18° × 10.97° × 14.48°
	2/3 format	-	17.86° × 10.77° × 14.33°	12.55° × 7.55° × 10.06°
	1/2 format	-	13.03° × 7.85° × 10.45°	9.15° × 5.50° × 7.32°
	1/3 format	-	9.8° × 5.89° × 7.85°	6.87° × 4.12° × 5.5°
	1/4 format	-	-	6.54° × 3.93° × 5.23°
Distortion	0.3%~5%	-	<-3%	<0.2%
Focusing Range	-	∞ ~ 1m	∞ ~ 1m	∞ ~ 1m
IR Correct	-	OK	OK	OK
Design Wavelength	400~1000nm	400~1000nm	400~1000nm	400~1000nm
Filter Thread	-	M30.5 × 0.5	M30.5 × 0.5	M30.5 × 0.5
Dimension	-	∅39 × 59.14mm	∅38 × 59.17mm	∅39 × 50.89mm
Weight	-	-	176g	147g

Automotive lenses Series

1/4" Format Lenses



Item No	AZURE-01524BM	AZURE-01824BM	AZURE-01825BM	AZURE-01825BM-1
Resolution	1MP	1MP	1MP	1MP
Format	1/4"	1/4"	1/4"	1/4"
Mount	M12 × 0.5	M12 × 0.5	M12 × 0.5	M12 × 0.5
Focal Length (mm)	1.5	1.8	1.8	1.8
F / No	2.4	2.4	2.5	2.5
Back Focus (mm)	2.25	4.6	4.6	5.0
Angle of View	140°	54°	122°	122°
Distortion	<-85%	<-56%	<-89%	<-89%
Focusing Range	∞ ~ 0.6m	∞ ~ 0.2m	∞ ~ 0.2m	∞ ~ 0.2m
Dimension	∅14×14.7mm	∅14×16.5mm	∅14×18.45mm	∅14×16.5mm
Weight	5.5g	5.5g	6g	6g



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