CR

Maximum support 7/4' & 4K line scan (28mm) target surface camera

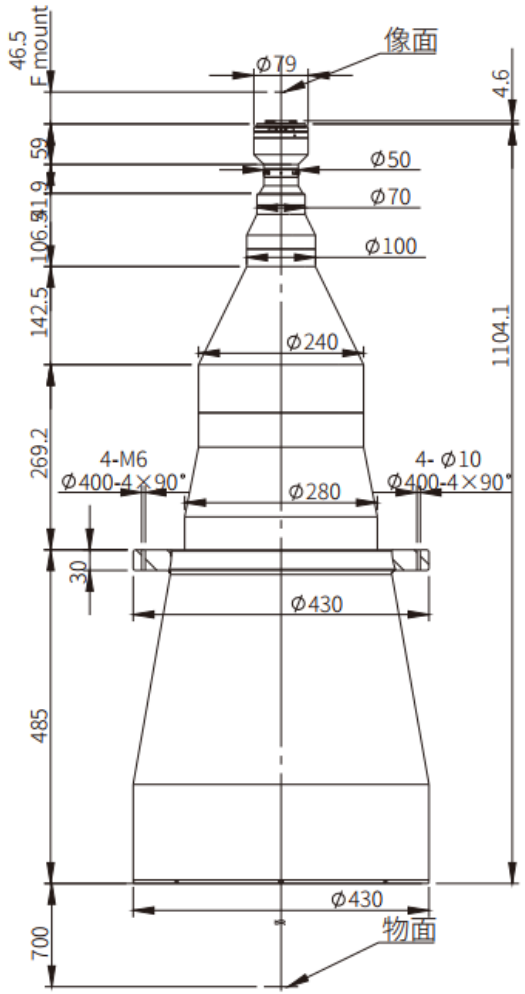
- Maximum support 7/4" area scan industrial camera or 4K line scan camera
- Bilateral telecentric design, ultra-high telecentricity, can improve the measurement accuracy by several times
- Optional iris diaphragm can effectively balance depth of field and resolution
- Can provide specially matched parallel light sources to improve the uniformity of illumination
- Some lenses support internal L90 steering, saving installation space
- This series of lenses have been precisely calibrated and can provide a comprehensive test report

CR Maximum support 7/4' & 4K line scan (28mm) target surface camera

Model	Chip Type	Optical structure	WD (mm)	Mag (X)	Chip length	Chip width	diagonal	Long object FOV	Wide FOV	Total length of lens (mm)	Maximum Diameter (mm)	O/I (mm)	Lens interface	Optical distortion (%)	Resolution (μm)	aperture	DOF (mm)	Image field (mm)	Telecentricity (°)	Object field φ (mm)
XF-PTL39029-F	APS-C	Double Telecentric	700	0.0746	22.5	16.9	28.1	301.6	226.5	1104.1	430	1,850.60	F Mount	0.041	61.96	F6.5	137.5	29	0.04	388.7
XF-PTL35029-F	APS-C	Double Telecentric	540	0.0831	22.5	16.9	28.1	270.8	203.4	883.8	376	1,470.30	F Mount	0.039	55.58	F7	110.4	29	0.05	349
XF-PTL31029-F	APS-C	Double Telecentric	500	0.0938	22.5	16.9	28.1	239.9	180.2	811.6	340	1358.1	F Mount	0.04	49.25	F7	86.8	29	0.04	309.2
XF-PTL26829-F	APS-C	Double Telecentric	410	0.109	22.5	16.9	28.1	206.4	155	745.3	300	1201.8	F Mount	0.048	42.55	F7	64.6	29	0.04	266.1
XF-PTL23829-F	APS-C	Double Telecentric	410	0.122	22.5	16.9	28.1	184.4	138.5	686.7	270	1143.2	F Mount	0.037	37.84	F7	51	29	0.04	237.7
XF-PTL19529-F	APS-C	Double Telecentric	400	0.149	22.5	16.8	28.1	151	113.4	538.6	222	985.1	F Mount	0.043	30.95	F7	34.5	29	0.04	194.6
XF-PTL18229-F	APS-C	Double Telecentric	398	0.16	22.5	16.9	28.1	140.6	105.6	512.2	210	956.7	F Mount	0.044	28.94	F7	30.1	29	0.04	181.3
XF-PTL15229-F	APS-C	Double Telecentric	320	0.192	22.5	16.9	28.1	117.2	88	464.3	180	830.8	F Mount	0.042	24.1	F7	20.9	29	0.04	151
XF-PTL13729-F	APS-C	Double Telecentric	280	0.212	22.5	16.9	28.1	106.1	79.7	425.2	166	751.7	F Mount	0.045	21.78	F7	17.1	29	0.04	136.8
XF-PTL12229-F	APS-C	Double Telecentric	260	0.238	22.5	16.9	28.1	94.5	71	417.2	166	723.7	F Mount	0.038	19.39	F7	13.5	29	0.04	121.8
XF-PTL11029-F	APS-C	Double Telecentric	250	0.264	22.5	16.9	28.1	85.2	64	378.5	130	675	F Mount	0.043	17.5	F7	11	29	0.04	109.8
XF-PTL09229-F-VI	APS-C	Double Telecentric	250	0.317	22.5	16.9	28.1	71	53.3	329.3	120	625.8	F Mount	0.041	14.57-78	F7-F37.5	7.6-41.1	29	0.04	91.5
XF-PTL08029-F-VI	APS-C	Double Telecentric	180	0.363	22.5	16.9	28.1	62	46.6	304.5	104	531	F Mount	0.039	12.72-68.1	F7-F37.5	5.8-31.6	29	0.04	79.9
XF-PTL06529-F-VI	APS-C	Double Telecentric	160	0.447	22.5	16.9	28.1	50.3	37.8	269.9	90	476.4	F Mount	0.04	10.4-55.41	F7-F37.5	3.8-20.9	29	0.03	64.9
XF-PTL05529-F-VI	APS-C	Double Telecentric	138	0.528	22.5	16.9	28.1	42.6	32	254.2	79	438.7	F Mount	0.012	8.7-46.82	F7-F37.5	2.7-15	29	0.04	54.9
XF-PTL04529-F-VI	APS-C	Double Telecentric	120	0.646	22.5	16.9	28.1	34.8	26.2	211.3	70	377.8	F Mount	0.046	7.2-38.32	F7-F37.5	1.8-10	29	0.03	44.9
XF-PTL03729-F-VI	APS-C	Double Telecentric	110	0.793	22.5	16.9	28.1	28.4	21.3	179.2	70	335.7	F Mount	0.052	5.8-31.22	F7-F37.5	1.2-6.6	29	0.03	36.6

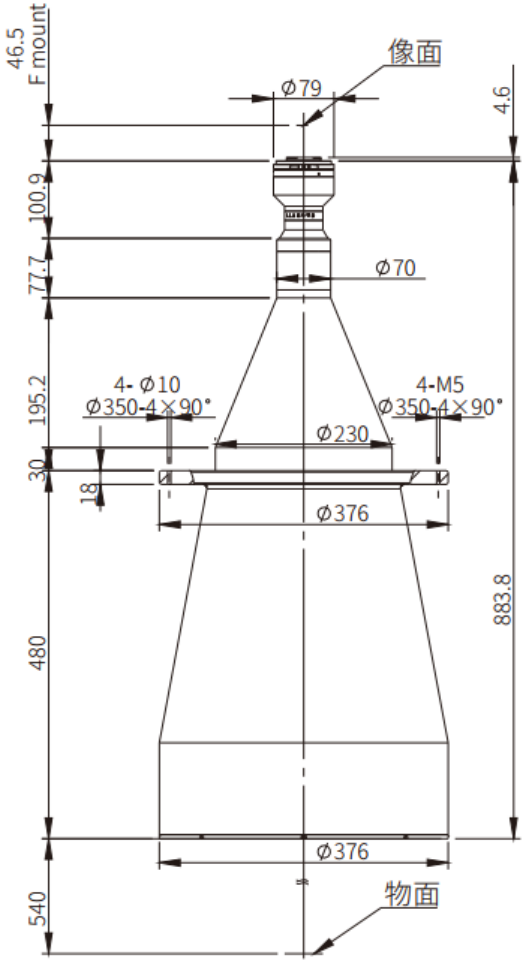
XF-PTL39029-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	301.6
Wide field of view	226.5
Total length of lens (mm)	1104.1
Maximum diameter (mm)	430
O/I (mm)	1,850.60
Lens interface	F Mount
Optical distortion (%)	0.041
Resolution (μm)	61.96
aperture	F6.5
Depth of field (mm)	137.5
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	388.7
Working distance (mm)	700
Optical structure	Double telecentric
Magnification (X)	0.0746



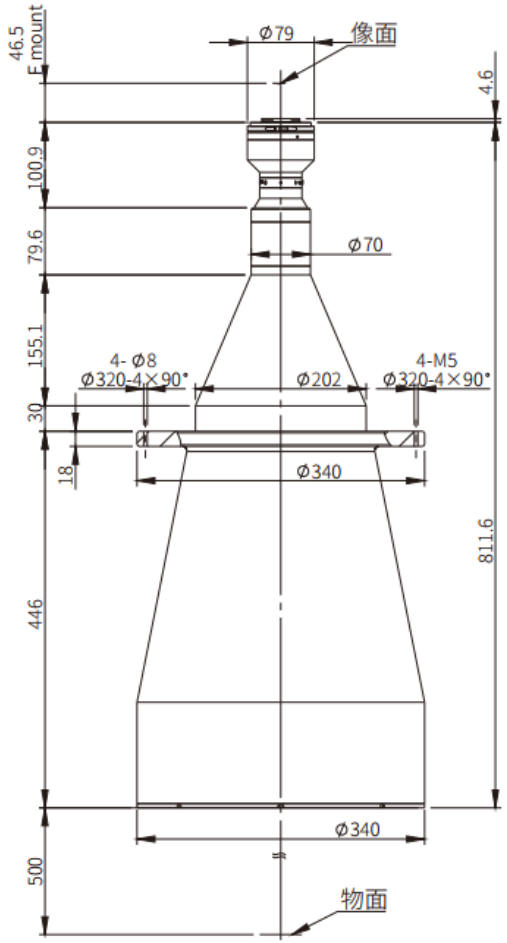
XF-PTL35029-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	270.8
Wide field of view	203.4
Total length of lens (mm)	883.8
Maximum diameter (mm)	376
O/I (mm)	1,470.30
Lens interface	F Mount
Optical distortion (%)	0.039
Resolution (μm)	55.58
aperture	F7
Depth of field (mm)	110.4
Image field (mm)	29
Telecentric design value (°)	0.05
Object field φ (mm)	349
Working distance (mm)	540
Optical structure	Double telecentric
Magnification (X)	0.0831



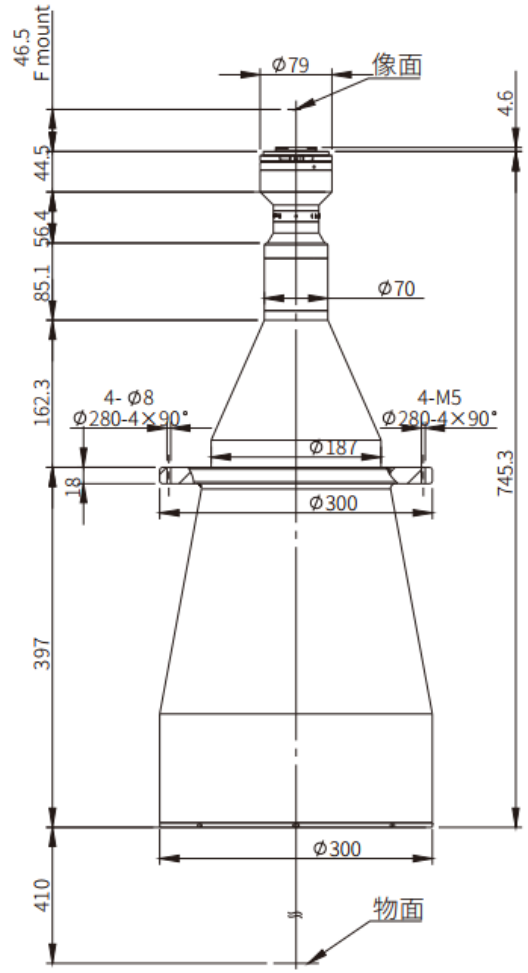
XF-PTL31029-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	239.9
Wide field of view	180.2
Total length of lens (mm)	811.6
Maximum diameter (mm)	340
O/I (mm)	1358.1
Lens interface	F Mount
Optical distortion (%)	0.04
Resolution (μm)	49.25
aperture	F7
Depth of field (mm)	86.8
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	309.2
Working distance (mm)	500
Optical structure	Double telecentric
Magnification (X)	0.0938



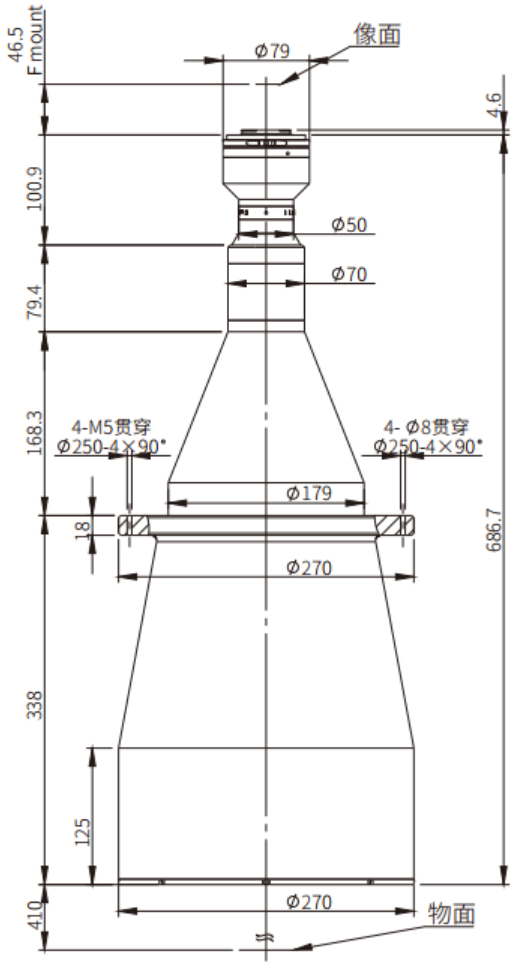
XF-PTL26829-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	206.4
Wide field of view	155
Total length of lens (mm)	745.3
Maximum diameter (mm)	300
O/I (mm)	1201.8
Lens interface	F Mount
Optical distortion (%)	0.048
Resolution (μm)	42.55
aperture	F7
Depth of field (mm)	64.6
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	266.1
Working distance (mm)	410
Optical structure	Double telecentric
Magnification (X)	0.109



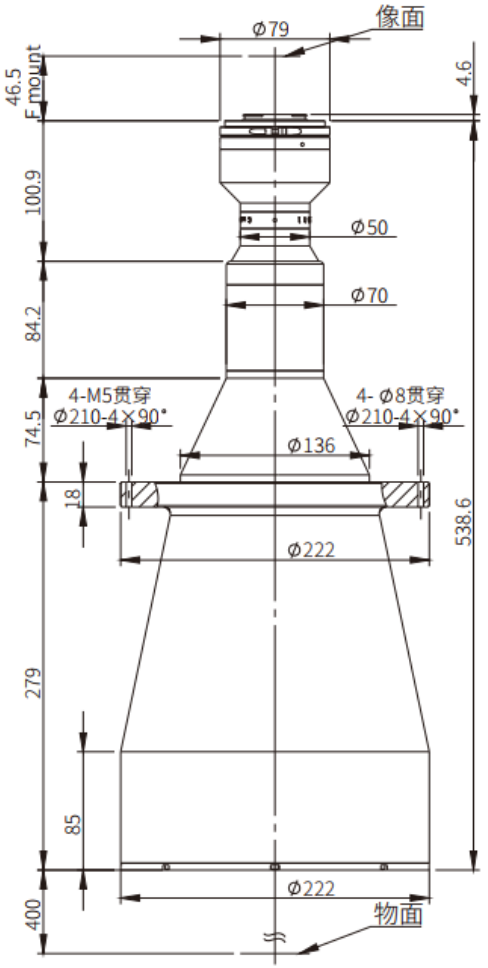
XF-PTL23829-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	184.4
Wide field of view	138.5
Total length of lens (mm)	686.7
Maximum diameter (mm)	270
O/I (mm)	1143.2
Lens interface	F Mount
Optical distortion (%)	0.037
Resolution (μm)	37.84
aperture	F7
Depth of field (mm)	51
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	237.7
Working distance (mm)	410
Optical structure	Double telecentric
Magnification (X)	0.122



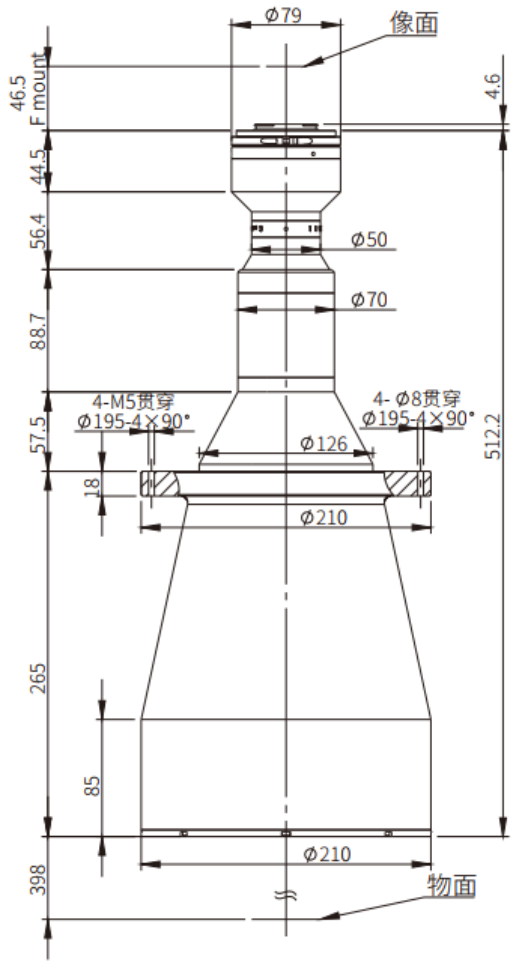
XF-PTL19529-F

Chip type	APS-C
Chip length	22.5
Chip width	16.8
diagonal	28.1
Long object field of view	151
Wide field of view	113.4
Total length of lens (mm)	538.6
Maximum diameter (mm)	222
O/I (mm)	985.1
Lens interface	F Mount
Optical distortion (%)	0.043
Resolution (μm)	30.95
aperture	F7
Depth of field (mm)	34.5
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	194.6
Working distance (mm)	400
Optical structure	Double telecentric
Magnification (X)	0.149



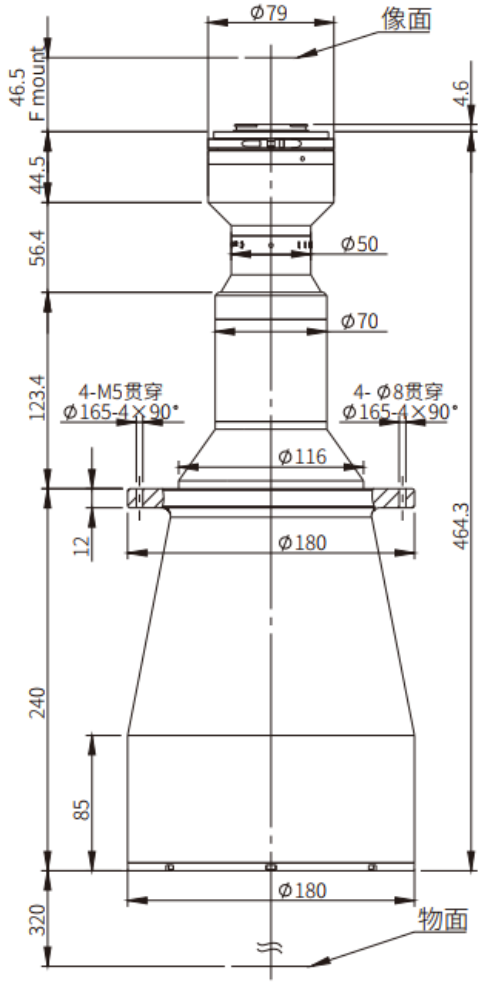
XF-PTL18229-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	140.6
Wide field of view	105.6
Total length of lens (mm)	512.2
Maximum diameter (mm)	210
O/I (mm)	956.7
Lens interface	F Mount
Optical distortion (%)	0.044
Resolution (μm)	28.94
aperture	F7
Depth of field (mm)	30.1
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	181.3
Working distance (mm)	398
Optical structure	Double telecentric
Magnification (X)	0.16



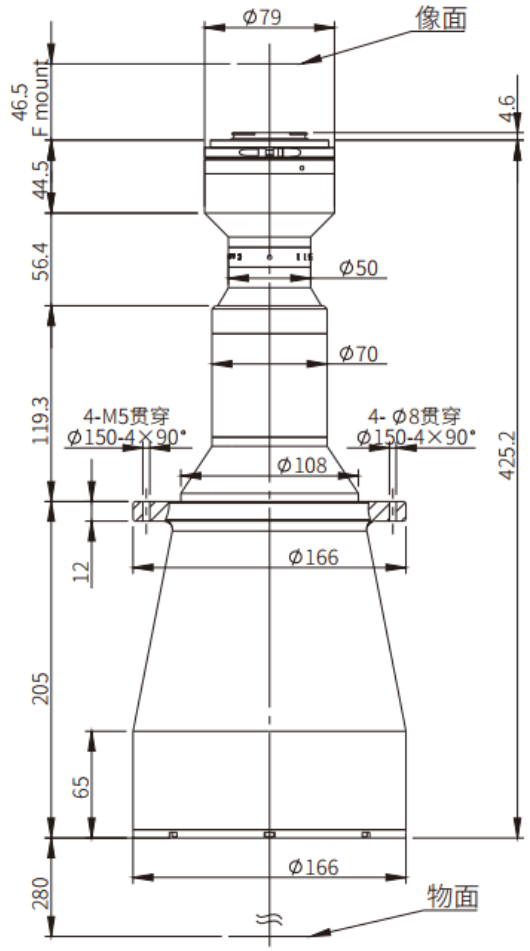
XF-PTL15229-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	117.2
Wide field of view	88
Total length of lens (mm)	464.3
Maximum diameter (mm)	180
O/I (mm)	830.8
Lens interface	F Mount
Optical distortion (%)	0.042
Resolution (μm)	24.1
aperture	F7
Depth of field (mm)	20.9
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	151
Working distance (mm)	320
Optical structure	Double telecentric
Magnification (X)	0.192



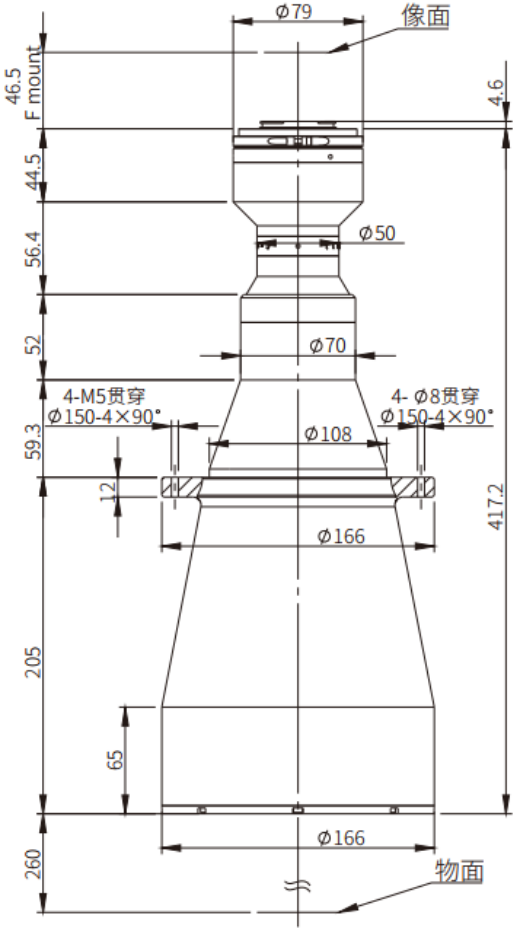
XF-PTL13729-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	106.1
Wide field of view	79.7
Total length of lens (mm)	425.2
Maximum diameter (mm)	166
O/I (mm)	751.7
Lens interface	F Mount
Optical distortion (%)	0.045
Resolution (μm)	21.78
aperture	F7
Depth of field (mm)	17.1
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	136.8
Working distance (mm)	280
Optical structure	Double telecentric
Magnification (X)	0.212



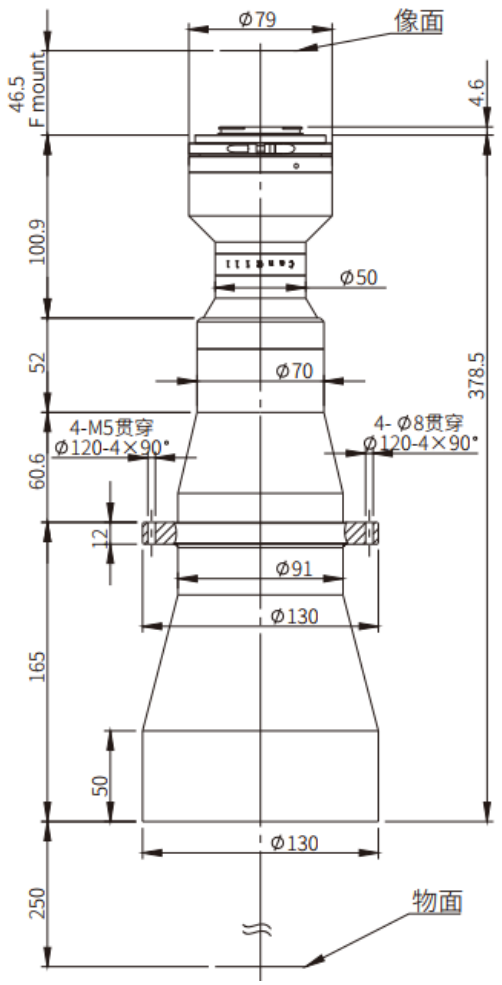
XF-PTL12229-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	94.5
Wide field of view	71
Total length of lens (mm)	417.2
Maximum diameter (mm)	166
O/I (mm)	723.7
Lens interface	F Mount
Optical distortion (%)	0.038
Resolution (μm)	19.39
aperture	F7
Depth of field (mm)	13.5
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	121.8
Working distance (mm)	260
Optical structure	Double telecentric
Magnification (X)	0.238



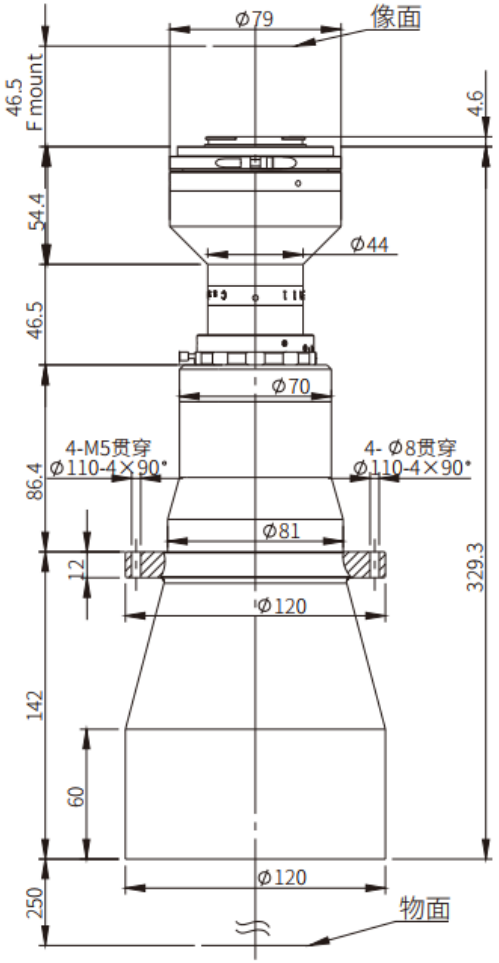
XF-PTL11029-F

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	85.2
Wide field of view	64
Total length of lens (mm)	378.5
Maximum diameter (mm)	130
O/I (mm)	675
Lens interface	F Mount
Optical distortion (%)	0.043
Resolution (μm)	17.5
aperture	F7
Depth of field (mm)	11
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	109.8
Working distance (mm)	250
Optical structure	Double telecentric
Magnification (X)	0.264



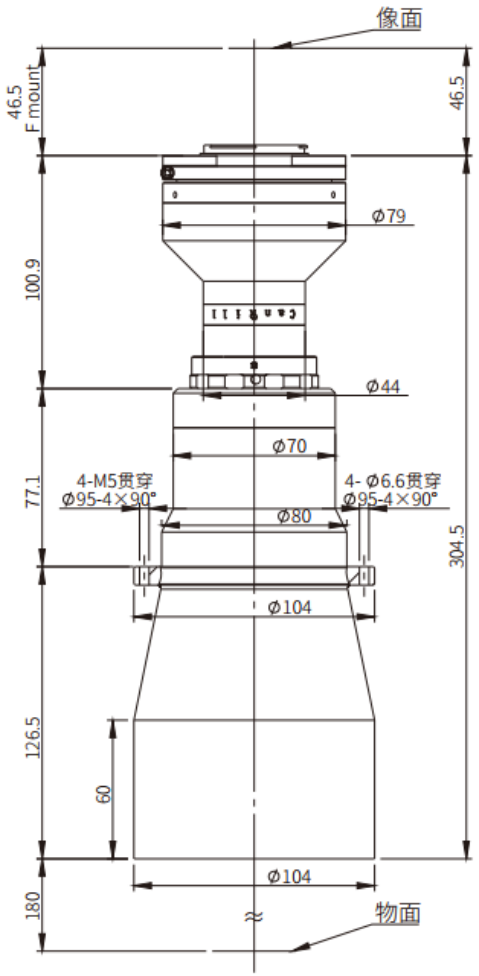
XF-PTL09229-F-VI

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	71
Wide field of view	53.3
Total length of lens (mm)	329.3
Maximum diameter (mm)	120
O/I (mm)	625.8
Lens interface	F Mount
Optical distortion (%)	0.041
Resolution (μm)	14.57-78
aperture	F7-F37.5
Depth of field (mm)	7.6-41.1
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	91.5
Working distance (mm)	250
Optical structure	Double telecentric
Magnification (X)	0.317



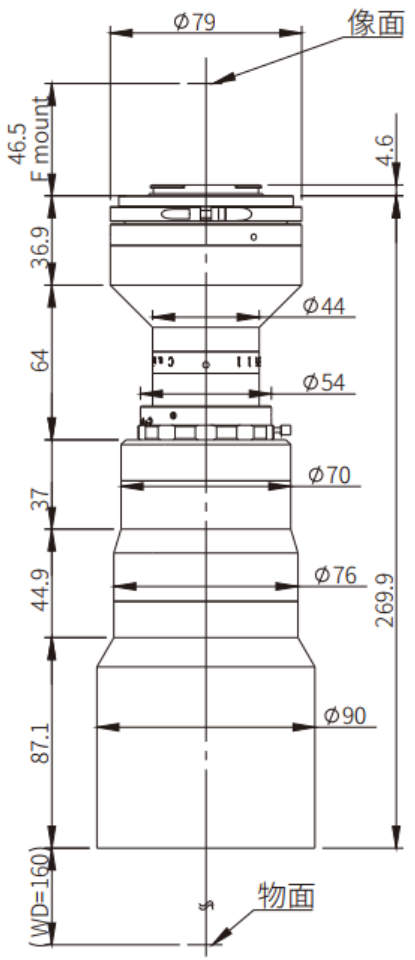
XF-PTL08029-F-VI

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	62
Wide field of view	46.6
Total length of lens (mm)	304.5
Maximum diameter (mm)	104
O/I (mm)	531
Lens interface	F Mount
Optical distortion (%)	0.039
Resolution (μm)	12.72-68.1
aperture	F7-F37.5
Depth of field (mm)	5.8-31.6
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	79.9
Working distance (mm)	180
Optical structure	Double telecentric
Magnification (X)	0.363



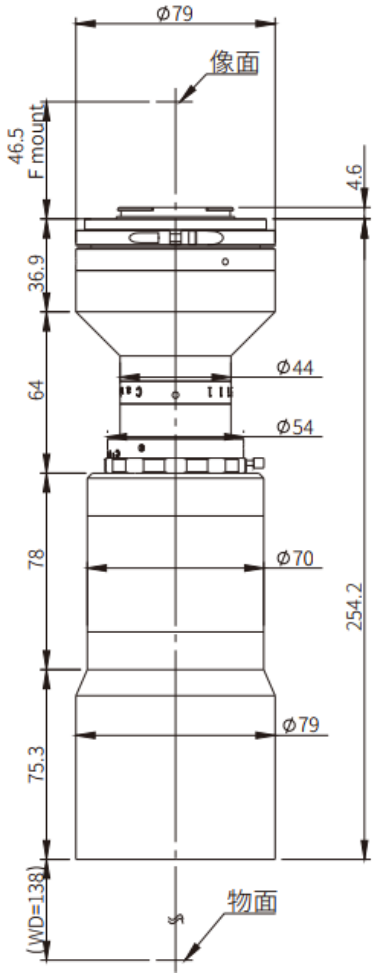
XF-PTL06529-F-VI

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	50.3
Wide field of view	37.8
Total length of lens (mm)	269.9
Maximum diameter (mm)	90
O/I (mm)	476.4
Lens interface	F Mount
Optical distortion (%)	0.04
Resolution (μm)	10.4-55.41
aperture	F7-F37.5
Depth of field (mm)	3.8-20.9
Image field (mm)	29
Telecentric design value (°)	0.03
Object field φ (mm)	64.9
Working distance (mm)	160
Optical structure	Double telecentric
Magnification (X)	0.447



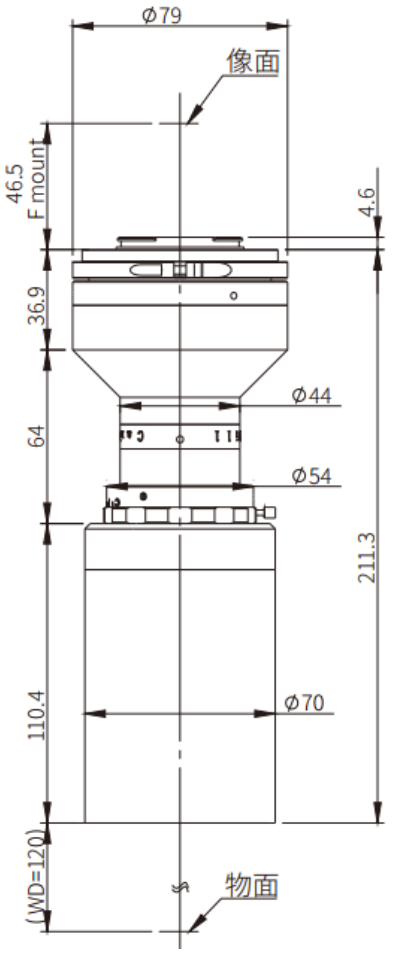
XF-PTL05529-F-VI

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	42.6
Wide field of view	32
Total length of lens (mm)	254.2
Maximum diameter (mm)	79
O/I (mm)	438.7
Lens interface	F Mount
Optical distortion (%)	0.012
Resolution (μm)	8.7-46.82
aperture	F7-F37.5
Depth of field (mm)	2.7-15
Image field (mm)	29
Telecentric design value (°)	0.04
Object field φ (mm)	54.9
Working distance (mm)	138
Optical structure	Double telecentric
Magnification (X)	0.528



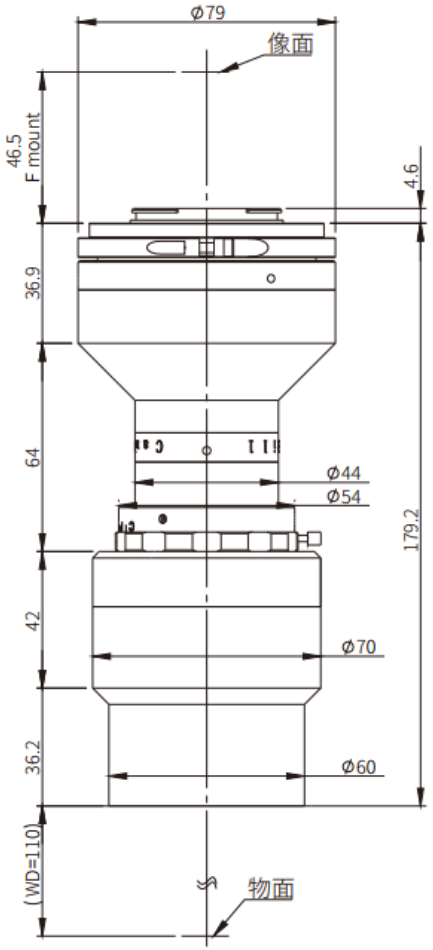
XF-PTL04529-F-VI

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	34.8
Wide field of view	26.2
Total length of lens (mm)	211.3
Maximum diameter (mm)	70
O/I (mm)	377.8
Lens interface	F Mount
Optical distortion (%)	0.046
Resolution (μm)	7.2-38.32
aperture	F7-F37.5
Depth of field (mm)	1.8-10
Image field (mm)	29
Telecentric design value (°)	0.03
Object field φ (mm)	44.9
Working distance (mm)	120
Optical structure	Double telecentric
Magnification (X)	0.646



XF-PTL03729-F-VI

Chip type	APS-C
Chip length	22.5
Chip width	16.9
diagonal	28.1
Long object field of view	28.4
Wide field of view	21.3
Total length of lens (mm)	179.2
Maximum diameter (mm)	70
O/I (mm)	335.7
Lens interface	F Mount
Optical distortion (%)	0.052
Resolution (μm)	5.8-31.22
aperture	F7-F37.5
Depth of field (mm)	1.2-6.6
Image field (mm)	29
Telecentric design value (°)	0.03
Object field φ (mm)	36.6
Working distance (mm)	110
Optical structure	Double telecentric
Magnification (X)	0.793



큐브아이엔티

Machine Vision System & Component

THANK YOU

제품관련 문의 및 상담은 하단의 연락처로 문의주시면

언제나 친절하고 성실히 응대해 드립니다.

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