CR 8K line scan (57.4mm) target surface camera

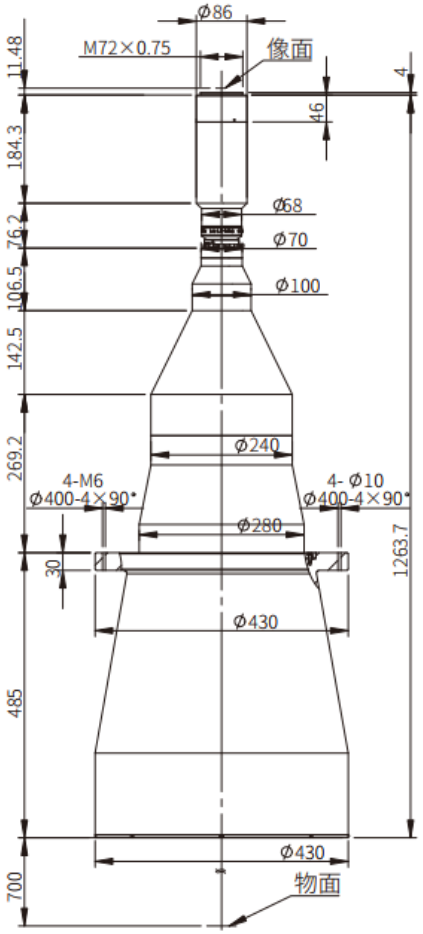
- Maximum support 8K line scan camera
- Bilateral telecentric design, ultra-high telecentricity, can improve the measurement accuracy by several times
- Optional iris diaphragm can effectively balance depth of field and resolution
- Can provide specially matched parallel light sources to improve the uniformity of illumination
- Some lenses support internal L90 steering, saving installation space
- Suitable for large format Area Scan Camera Line Scan Camera 16Kx3.5μm, 8Kx7μm, 8Kx5μm
- Adjustable iris makes it possible to balance DOF and resolution in a perfect way
- Super high resolution & low distortion
- 17 standard models available, various magnifications from 1.618X to 0.152X
- M72 Mount, support customized mount

CR 8K Line Scan (57.4mm) Telecentric Lens

MODEL	Chip type	Optical structure	Mag (X)	WD (mm)	Diagonal	Long object FOV	Total length of lens (mm)	Maximum diameter (mm)	O/I (mm)	Lens interface	Optical Distortion	Resolution (μm)	Aperture	Depth of field (mm)	Image field (mm)	Telecentricity (°)	Object field φ (mm)
XF-PTL39057-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.152	700	57.34	377.2	1263.7	430	1975.2	M72	0.028	47.69@F11	F6-F76	52.1@F11	57.4	0.04	377.6
XF-PTL35057-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.17	540	57.34	337.3	1043.4	376	1594.9	M72	0.026	42.78@F11	F6-F76	41.7@F11	57.4	0.05	337.6
XF-PTL31057-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.192	500	57.34	298.6	971.2	340	1,482.70	M72	0.027	37.91@F11	F6-F76	32.9@F11	57.4	0.04	299
XF-PTL26857-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.222	410	57.34	258.3	904.9	300	1,326.40	M72	0.032	32.76@F11	F6-F76	24.4@F11	57.4	0.04	258.6
XF-PTL23857-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.249	410	57.34	230.3	846.3	270	1267.8	M72	0.028	29.12@F11	F6-F76	19.3@F11	57.4	0.04	230.5
XF-PTL19557-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.305	400	57.34	188	698.2	222	1109.7	M72	0.032	23.82@F11	F6-F76	13.1@F11	57.4	0.04	188.2
XF-PTL18257-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.326	398	57.34	175.9	671.8	210	1081.3	M72	0.033	22.3@F11	F6-F76	11.4@F11	57.4	0.04	176.1
XF-PTL15257-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.391	320	57.34	146.6	623.9	180	955.4	M72	0.032	18.55@F11	F6-F76	7.9@F11	57.4	0.04	146.8
XF-PTL13757-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.433	280	57.34	132.4	584.8	166	876.3	M72	0.034	16.75@F11	F6-F76	6.4@F11	57.4	0.04	132.6
XF-PTL12257-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.486	260	57.34	118	576.8	166	848.3	M72	0.03	15@F11	F6-F76	5.1@F11	57.4	0.04	118.1
XF-PTL11057-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.539	250	57.34	106.4	538.1	130	799.6	M72	0.043	13.47@F11	F6-F76	4.2@F11	57.4	0.04	106.5
XF-PTL09257-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.648	250	57.34	88.5	488.9	120	750.4	M72	0.048	11.21@F11	F6-F76	2.9@F11	57.4	0.04	88.6
XF-PTL08057-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.742	180	57.34	77.3	464.2	104	655.7	M72	0.035	9.79@F11	F6-F76	2.2@F11	57.4	0.03	77.4
XF-PTL06557-M72-11.48-VI	16k x 3.5μm	Double telecentric	0.912	160	57.34	62.9	429.5	90	601	M72	0.044	8@F11	F6-F76	1.5@F11	57.4	0.03	62.9
XF-PTL05557-M72-11.48-VI	16k x 3.5μm	Double telecentric	1.079	138	57.34	53.1	413.9	79	563.4	M72	0.017	6.7@F11	F6-F76	1@F11	57.4	0.04	57.4
XF-PTL04557-M72-11.48-VI	16k x 3.5μm	Double telecentric	1.319	120	57.34	43.5	370.9	70	502.4	M72	0.037	5.5@F11	F6-F76	0.7@F11	57.4	0.03	43.5
XF-PTL03757-M72-11.48-VI	16k x 3.5μm	Double telecentric	1.618	110	57.34	35.4	338.8	70	460.3	M72	0.045	6.13@F15	F6-F76	0.6@F15	57.4	0.03	35.5

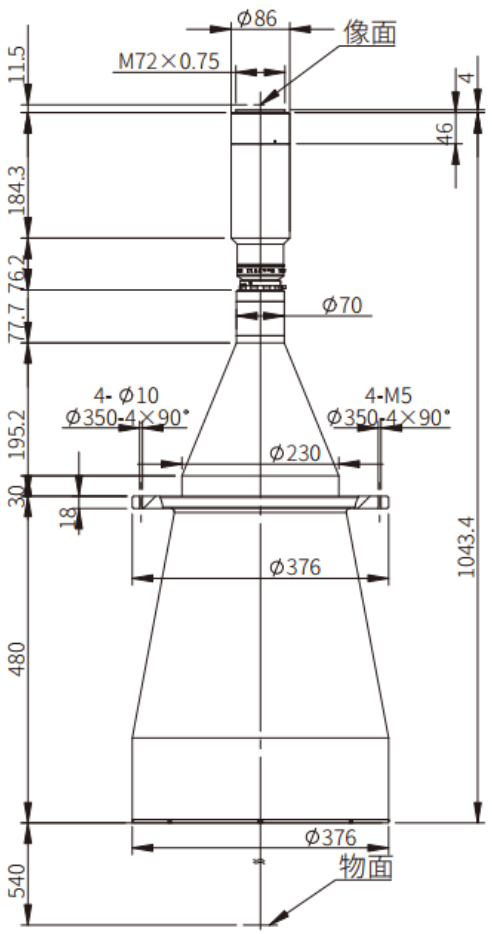
XF-PTL39057-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	377.2
Total length of lens (mm)	1263.7
Maximum diameter (mm)	430
O/I (mm)	1975.2
Lens Mount	M72 Mount
Optical distortion (%)	0.028
Resolution (μm)	47.69@F11
aperture	F6-F76
Depth of field (mm)	52.1@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	377.6
Working distance (mm)	700
Optical structure	Double telecentric
Magnification (X)	0.152



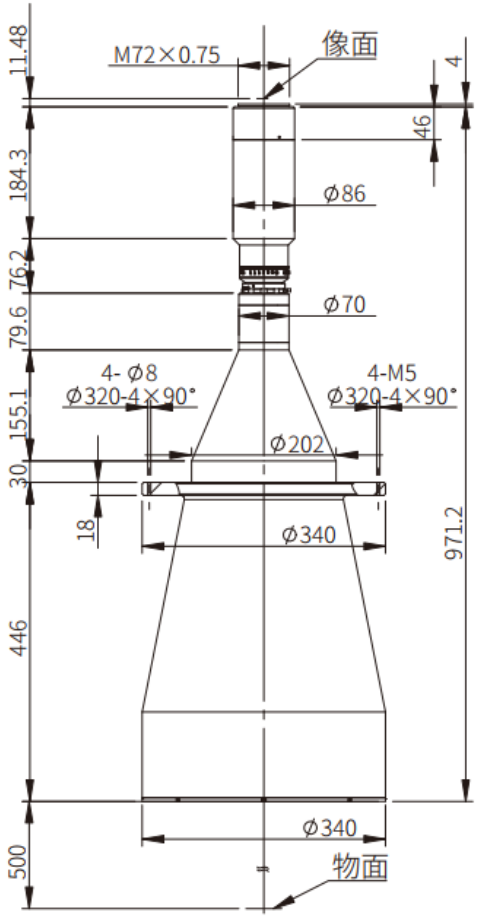
XF-PTL35057-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	337.3
Total length of lens (mm)	1043.4
Maximum diameter (mm)	376
O/I (mm)	1594.9
Lens Mount	M72 Mount
Optical distortion (%)	0.026
Resolution (μm)	42.78@F11
aperture	F6-F76
Depth of field (mm)	41.7@F11
Image field (mm)	57.4
Telecentric design value (°)	0.05
Object field φ (mm)	337.6
Working distance (mm)	540
Optical structure	Double telecentric
Magnification (X)	0.17



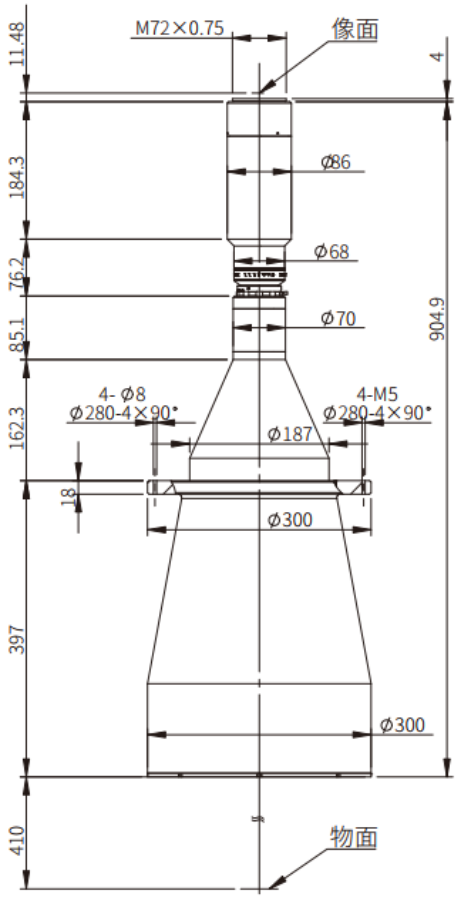
XF-PTL31057-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	298.6
Total length of lens (mm)	971.2
Maximum diameter (mm)	340
O/I (mm)	1,482.70
Lens Mount	M72 Mount
Optical distortion (%)	0.027
Resolution (μm)	37.91@F11
aperture	F6-F76
Depth of field (mm)	32.9@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	299
Working distance (mm)	500
Optical structure	Double telecentric
Magnification (X)	0.192



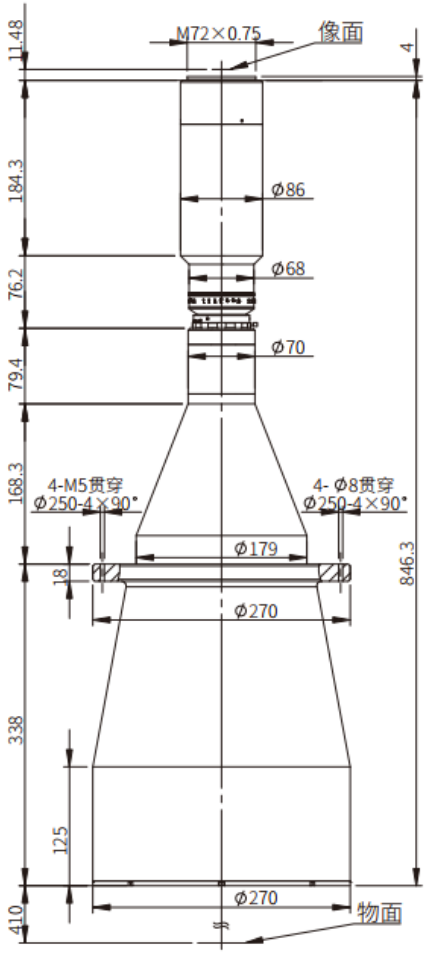
XF-PTL26857-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	258.3
Total length of lens (mm)	904.9
Maximum diameter (mm)	300
O/I (mm)	1326.4
Lens Mount	M72 Mount
Optical distortion (%)	0.032
Resolution (μm)	32.76@F11
aperture	F6-F76
Depth of field (mm)	24.4@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	258.6
Working distance (mm)	410
Optical structure	Double telecentric
Magnification (X)	0.222



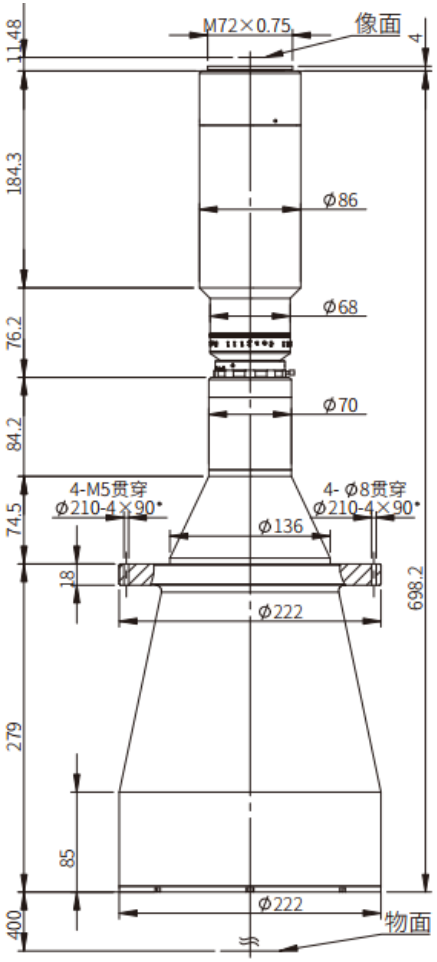
XF-PTL23857-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	230.3
Total length of lens (mm)	846.3
Maximum diameter (mm)	270
O/I (mm)	1267.8
Lens Mount	M72 Mount
Optical distortion (%)	0.028
Resolution (μm)	29.12@F11
aperture	F6-F76
Depth of field (mm)	19.3@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	230.5
Working distance (mm)	410
Optical structure	Double telecentric
Magnification (X)	0.249



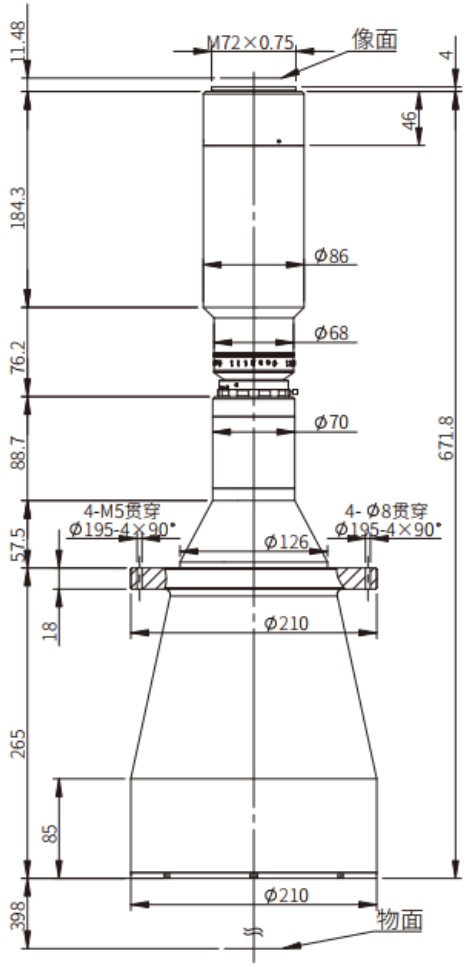
XF-PTL19557-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	188
Total length of lens (mm)	698.2
Maximum diameter (mm)	222
O/I (mm)	1109.7
Lens Mount	M72 Mount
Optical distortion (%)	0.032
Resolution (μm)	23.82@F11
aperture	F6-F76
Depth of field (mm)	13.1@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	188.2
Working distance (mm)	400
Optical structure	Double telecentric
Magnification (X)	0.305



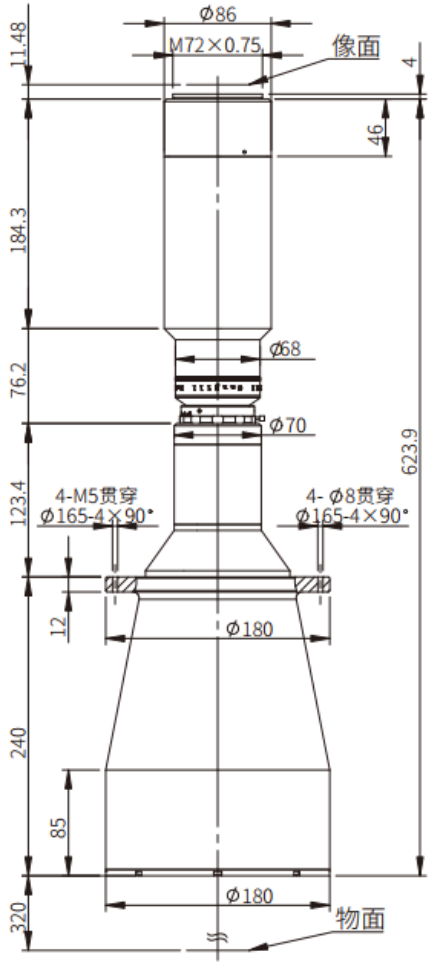
XF-PTL18257-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	175.9
Total length of lens (mm)	671.8
Maximum diameter (mm)	210
O/I (mm)	1081.3
Lens Mount	M72 Mount
Optical distortion (%)	0.033
Resolution (μm)	22.3@F11
aperture	F6-F76
Depth of field (mm)	11.4@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	176.1
Working distance (mm)	398
Optical structure	Double telecentric
Magnification (X)	0.326



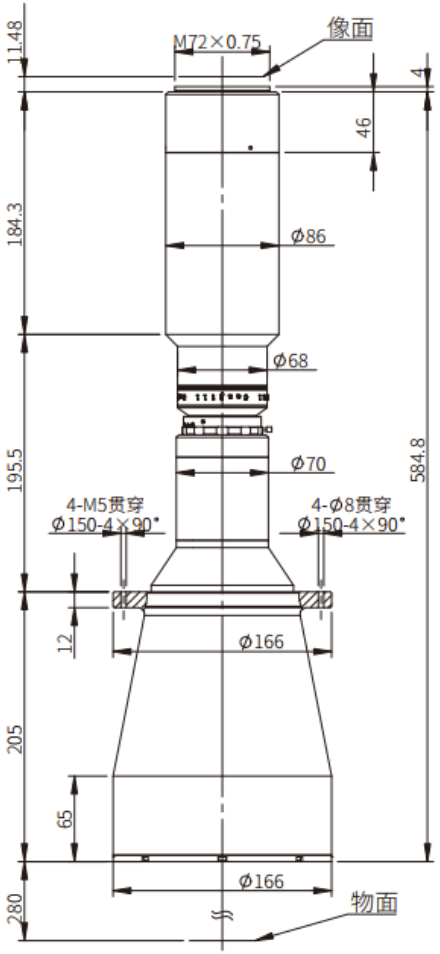
XF-PTL15257-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	146.6
Total length of lens (mm)	623.9
Maximum diameter (mm)	180
O/I (mm)	955.4
Lens Mount	M72 Mount
Optical distortion (%)	0.032
Resolution (μm)	18.55@F11
aperture	F6-F76
Depth of field (mm)	7.9@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	146.8
Working distance (mm)	320
Optical structure	Double telecentric
Magnification (X)	0.391



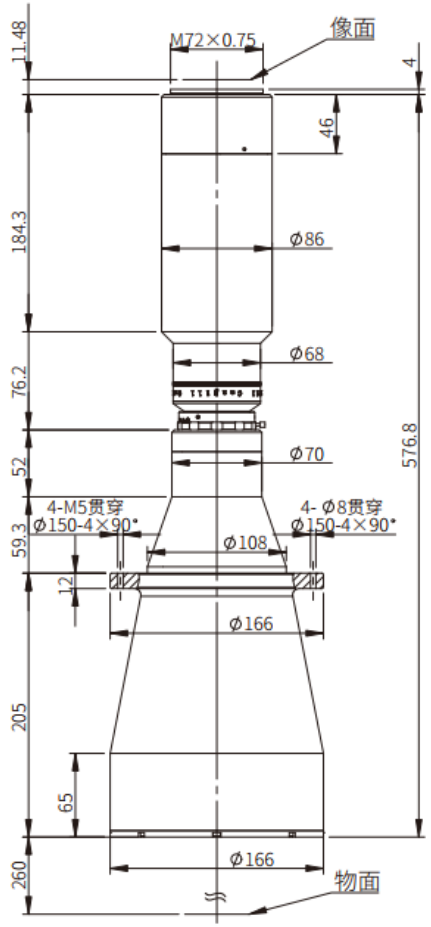
XF-PTL13757-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	132.4
Total length of lens (mm)	584.8
Maximum diameter (mm)	166
O/I (mm)	876.3
Lens Mount	M72 Mount
Optical distortion (%)	0.034
Resolution (μm)	16.75@F11
aperture	F6-F76
Depth of field (mm)	6.4@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	132.6
Working distance (mm)	280
Optical structure	Double telecentric
Magnification (X)	0.433



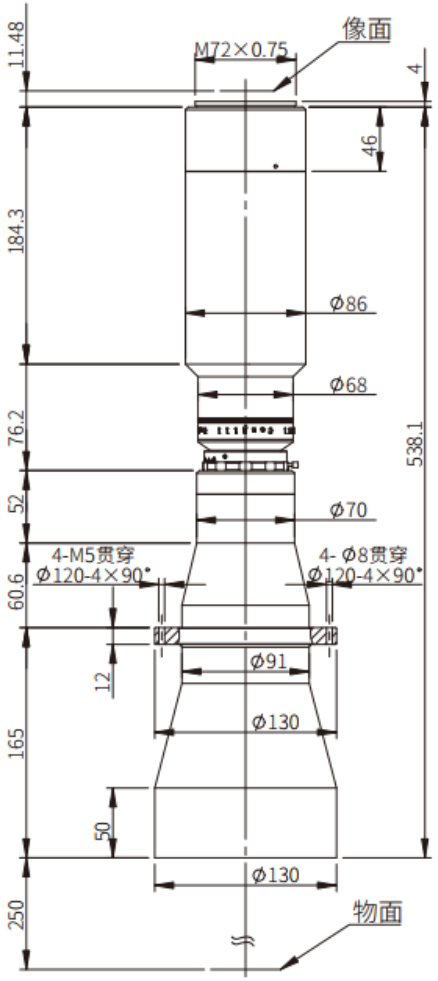
XF-PTL12257-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	118
Total length of lens (mm)	576.8
Maximum diameter (mm)	166
O/I (mm)	848.3
Lens Mount	M72 Mount
Optical distortion (%)	0.03
Resolution (μm)	15@F11
aperture	F6-F76
Depth of field (mm)	5.1@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	118.1
Working distance (mm)	260
Optical structure	Double telecentric
Magnification (X)	0.486



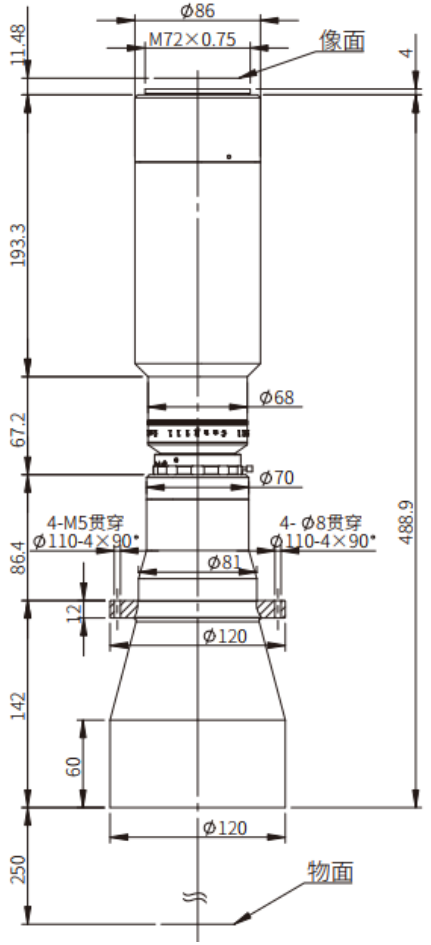
XF-PTL11057-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	106.4
Total length of lens (mm)	538.1
Maximum diameter (mm)	130
O/I (mm)	799.6
Lens Mount	M72 Mount
Optical distortion (%)	0.043
Resolution (μm)	13.47@F11
aperture	F6-F76
Depth of field (mm)	4.2@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	106.5
Working distance (mm)	250
Optical structure	Double telecentric
Magnification (X)	0.539



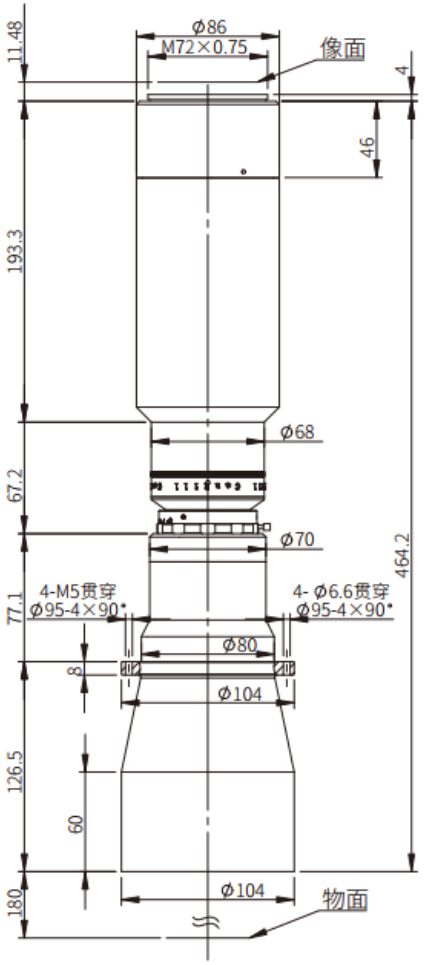
XF-PTL09257-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	88.5
Total length of lens (mm)	488.9
Maximum diameter (mm)	120
O/I (mm)	750.4
Lens Mount	M72 Mount
Optical distortion (%)	0.048
Resolution (μm)	11.21@F11
aperture	F6-F76
Depth of field (mm)	2.9@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	88.6
Working distance (mm)	250
Optical structure	Double telecentric
Magnification (X)	0.648



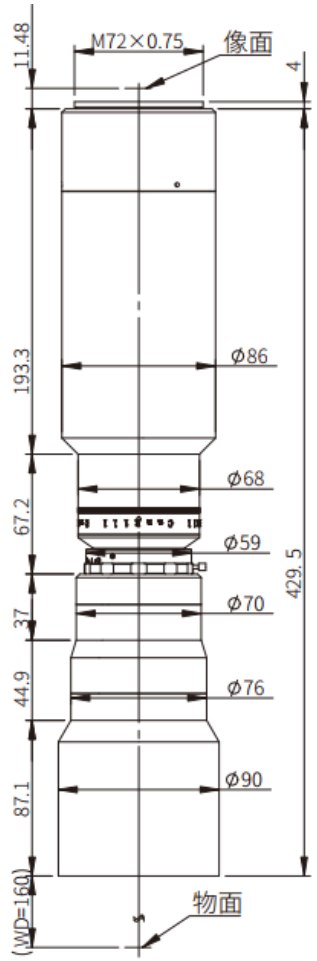
XF-PTL08057-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	77.3
Total length of lens (mm)	464.2
Maximum diameter (mm)	104
O/I (mm)	655.7
Lens Mount	M72 Mount
Optical distortion (%)	0.035
Resolution (μm)	9.79@F11
aperture	F6-F76.5
Depth of field (mm)	2.2@F11
Image field (mm)	57.4
Telecentric design value (°)	0.03
Object field φ (mm)	77.4
Working distance (mm)	180
Optical structure	Double telecentric
Magnification (X)	0.742



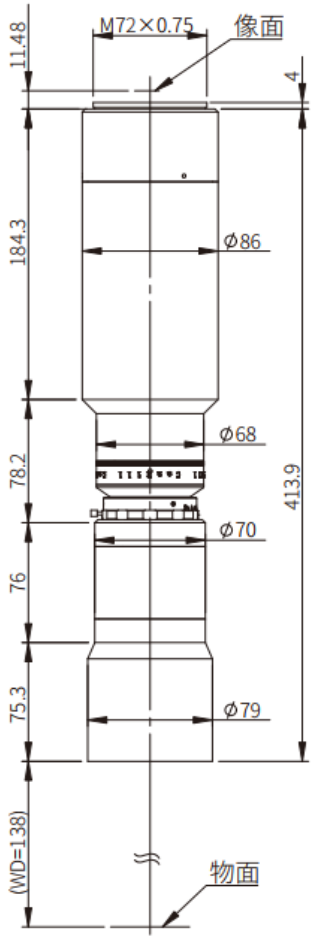
XF-PTL06557-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	62.9
Total length of lens (mm)	429.5
Maximum diameter (mm)	90
O/I (mm)	601
Lens Mount	M72 Mount
Optical distortion (%)	0.044
Resolution (μm)	8@F11
aperture	F6-F76.5
Depth of field (mm)	1.5@F11
Image field (mm)	57.4
Telecentric design value (°)	0.03
Object field φ (mm)	62.9
Working distance (mm)	160
Optical structure	Double telecentric
Magnification (X)	0.912



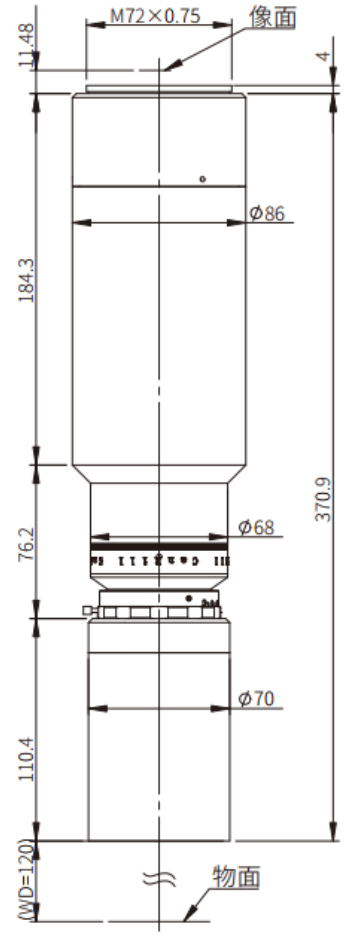
XF-PTL05557-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	53.1
Total length of lens (mm)	413.9
Maximum diameter (mm)	79
O/I (mm)	563.4
Lens Mount	M72 Mount
Optical distortion (%)	0.017
Resolution (μm)	6.7@F11
aperture	F6-F76.5
Depth of field (mm)	1@F11
Image field (mm)	57.4
Telecentric design value (°)	0.04
Object field φ (mm)	53.2
Working distance (mm)	138
Optical structure	Double telecentric
Magnification (X)	1.079



XF-PTL04557-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	43.5
Total length of lens (mm)	370.9
Maximum diameter (mm)	70
O/I (mm)	502.4
Lens Mount	M72 Mount
Optical distortion (%)	0.037
Resolution (μm)	5.5@F11
aperture	F6-F76.5
Depth of field (mm)	0.7@F11
Image field (mm)	57.4
Telecentric design value (°)	0.03
Object field φ (mm)	43.5
Working distance (mm)	120
Optical structure	Double telecentric
Magnification (X)	1.319



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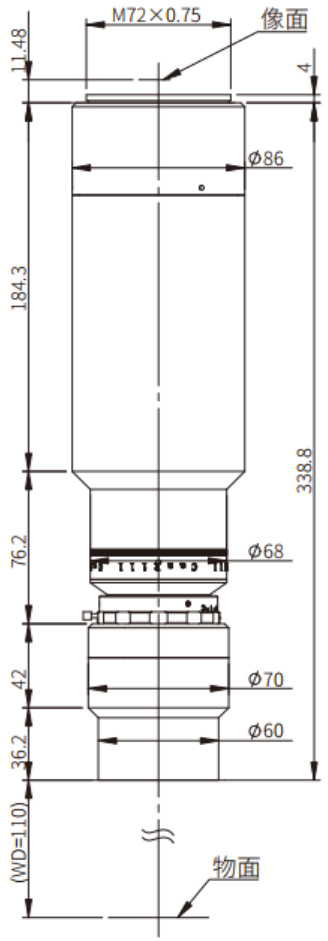
XF-PTL03757-M72-11.48-VI

Chip type	16k x 3.5μm
diagonal	57.34
Long object field of view	35.4
Total length of lens (mm)	338.8
Maximum diameter (mm)	70
O/I (mm)	460.3
Lens Mount	M72 Mount
Optical distortion (%)	0.045
Resolution (μm)	6.13@F15
aperture	F6-F76.6
Depth of field (mm)	0.6@F15
Image field (mm)	57.4
Telecentric design value (°)	0.03
Object field φ (mm)	35.5
Working distance (mm)	110
Optical structure	Double telecentric
Magnification (X)	1.618



큐브아이엔티

Machine Vision System & Component

THANK YOU

제품관련 문의 및 상담은 하단의 연락처로 문의주시면

언제나 친절하고 성실히 응대해 드립니다.

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