



Maximum support 1 inch & 1.1 inch high magnification-ultra high resolution

- 1 inch large area array double-sided telecentric lens
- The double-sided telecentric structure design ensures excellent image quality
- Some models have an adjustable aperture version and a coaxial light source version,
which can further reduce the space required for detection
- Maximum support for 1-inch 20 million pixels and 1.1-inch 12 million pixels
C-mount industrial cameras
- Can be applied to high-precision industries such as semiconductor display panels

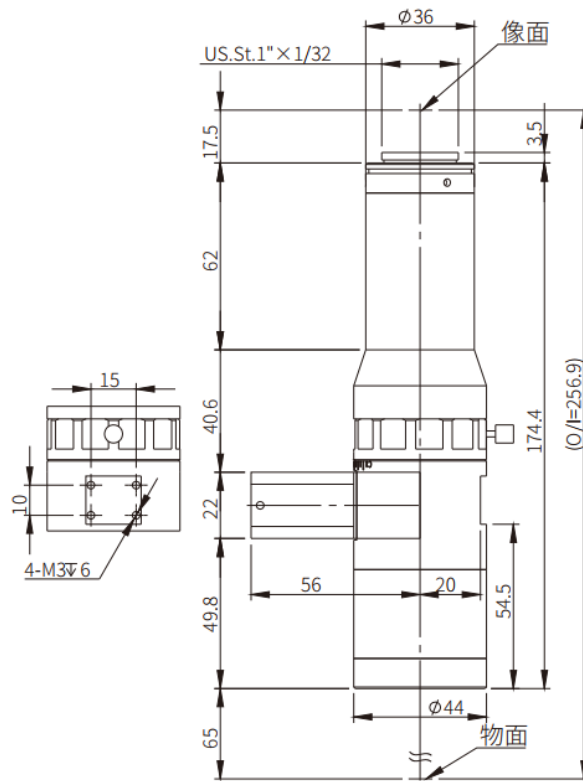


1 inch & 1.1 inch high magnification-ultra high resolution

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-10MDT4X65D-1C-VI	1.1"	Telecentric	65	4	14.2	10.4	17.6	3.6	2.6	174.4	44	256.9	C	0.09	2.0-32.3	F11.8-194.9	0.08-1.4	17.6	0.161	4.4
XF-10MDT4X65-1C-VI	1.1"	Telecentric	65	4	14.2	10.4	17.6	3.6	2.6	174.4	44	256.9	C	0.09	2.0-32.3	F11.8-194.9	0.08-1.4	17.6	0.161	4.4
XF-10MDT3X65D-1C-VI	1.1"	Telecentric	65	3	14.2	10.4	17.6	4.7	3.5	158.4	44	240.9	C	0.085	2.1-32.3	F9.5-147.3	0.12-1.8	17.6	0.212	5.9
XF-10MDT3X65-1C-VI	1.1"	Telecentric	65	3	14.2	10.4	17.6	4.7	3.5	158.4	44	240.9	C	0.085	2.1-32.3	F9.5-147.3	0.12-1.8	17.6	0.212	5.9
XF-10MDT2X65D-1C-VI	1.1"	Telecentric	65	2	14.2	10.4	17.6	7.1	5.2	150.4	44	232.9	C	0.1	2.4-32.6	F7.1-98.9	0.20-2.8	17.6	0.205	8.8
XF-10MDT2X65-1C-VI	1.1"	Telecentric	65	2	14.2	10.4	17.6	7.1	5.2	150.4	44	232.9	C	0.1	2.4-32.6	F7.1-98.9	0.20-2.8	17.6	0.205	8.8
XF-10MDT1.5X110D-1C	1.1"	Telecentric	110	1.5	14.2	10.4	17.6	9.5	6.9	182.5	50	310	C	0.082	5.1	F11.5	0.57	17.6	0.1	11.7
XF-10MDT1.5X110-1C	1.1"	Telecentric	110	1.5	14.2	10.4	17.6	9.5	6.9	182.5	50	310	C	0.082	5.1	F11.5	0.57	17.6	0.1	11.7
XF-10MDT1X178D-1C	1.1"	Telecentric	178	1	14.2	10.4	17.6	14.2	10.4	171	42	366.5	C	0.066	7.3	F11.1	1.2	17.6	0.127	17.6
XF-10MDT1X178-1C	1.1"	Telecentric	178	1	14.2	10.4	17.6	14.2	10.4	171	42	366.5	C	0.066	7.3	F11.1	1.2	17.6	0.127	17.6
XF-10MDT1X110D-1C	1.1"	Telecentric	110	1	14.2	10.4	17.6	14.2	10.4	151.5	50	279	C	0.08	6.5	F10	1.1	17.6	0.076	17.6
XF-10MDT1X110-1C	1.1"	Telecentric	110	1	14.2	10.4	17.6	14.2	10.4	151.5	50	279	C	0.08	6.5	F10	1.1	17.6	0.076	17.6
XF-10MDT1X65D-1C	1.1"	Telecentric	65	1	14.2	10.4	17.6	14.2	10.4	129.6	39	212.1	C	0.008	4.6	F7	0.79	17.6	0.191	17.6
XF-10MDT1X65-1C	1.1"	Telecentric	65	1	14.2	10.4	17.6	14.2	10.4	125.4	39	207.9	C	0.007	4.6	F7	0.79	17.6	0.207	17.6

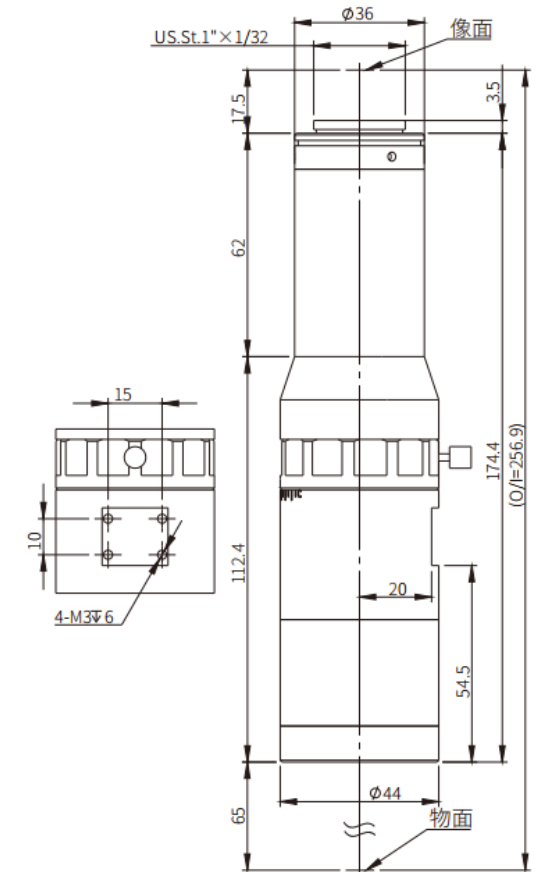
XF-10MDT4X65D-1C-VI

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	3.6
Wide field of view	2.6
Total length of lens (mm)	174.4
Maximum diameter (mm)	44
O/I (mm)	256.9
Lens interface	C Mount
Optical distortion (%)	0.09
Resolution (μm)	2.0-32.3
aperture	F11.8-194.9
Depth of field (mm)	0.08-1.4
Image field (mm)	17.6
Telecentric design value (°)	0.161
Object field φ (mm)	4.4
Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	4



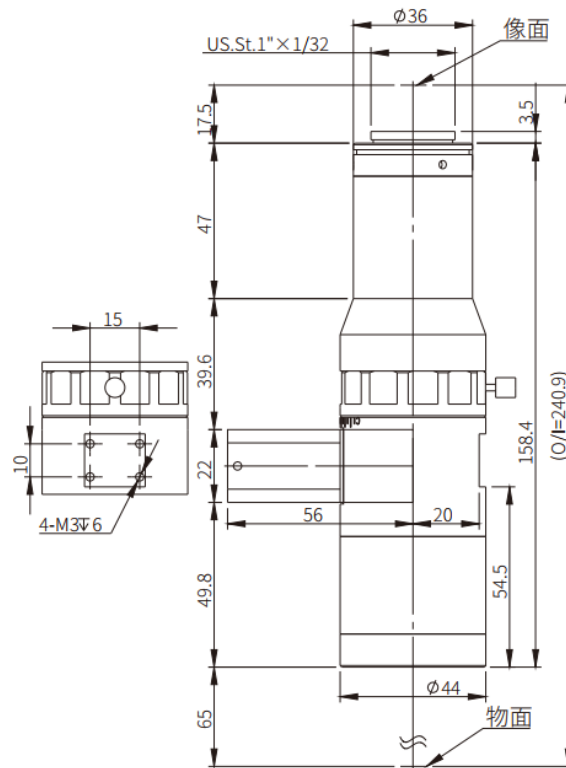
XF-10MDT4X65-1C-VI

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
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Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	4



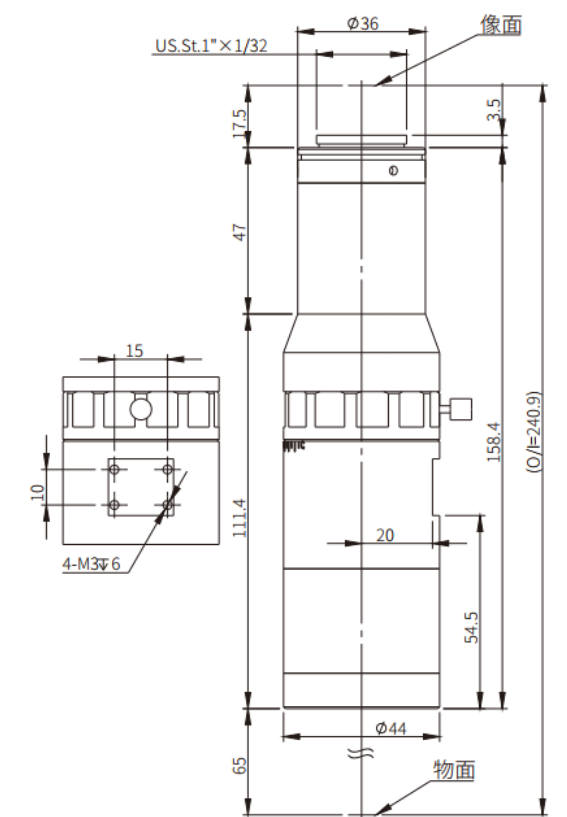
XF-10MDT3X65D-1C-VI

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	4.7
Wide field of view	3.5
Total length of lens (mm)	158.4
Maximum diameter (mm)	44
O/I (mm)	240.9
Lens interface	C Mount
Optical distortion (%)	0.085
Resolution (μm)	2.1-32.3
aperture	F9.5-147.3
Depth of field (mm)	0.12-1.8
Image field (mm)	17.6
Telecentric design value (°)	0.212
Object field φ (mm)	5.9
Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	3



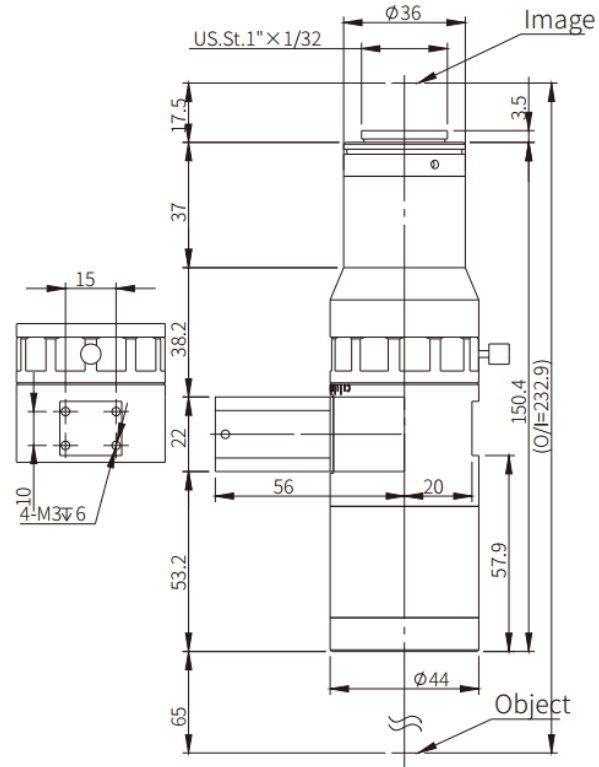
XF-10MDT3X65-1C-VI

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	4.7
Wide field of view	3.5
Total length of lens (mm)	158.4
Maximum diameter (mm)	44
O/I (mm)	240.9
Lens interface	C Mount
Optical distortion (%)	0.085
Resolution (μm)	2.1-32.3
aperture	F9.5-147.3
Depth of field (mm)	0.12-1.8
Image field (mm)	17.6
Telecentric design value (°)	0.212
Object field φ (mm)	5.9
Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	3



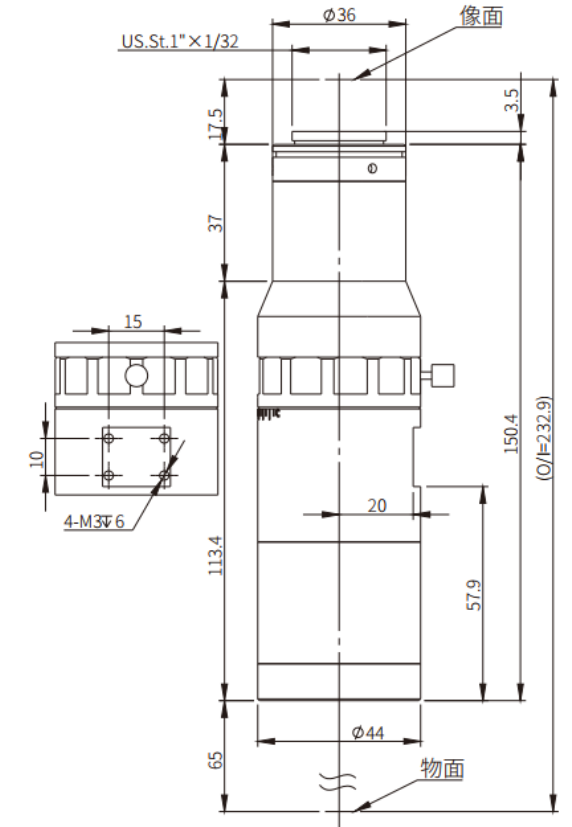
XF-10MDT2X65D-1C-VI

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	7.1
Wide field of view	5.2
Total length of lens (mm)	150.4
Maximum diameter (mm)	44
O/I (mm)	232.9
Lens interface	C Mount
Optical distortion (%)	0.1
Resolution (μm)	2.4-32.6
aperture	F7.1-98.9
Depth of field (mm)	0.20-2.8
Image field (mm)	17.6
Telecentric design value (°)	0.205
Object field φ (mm)	8.8
Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	2



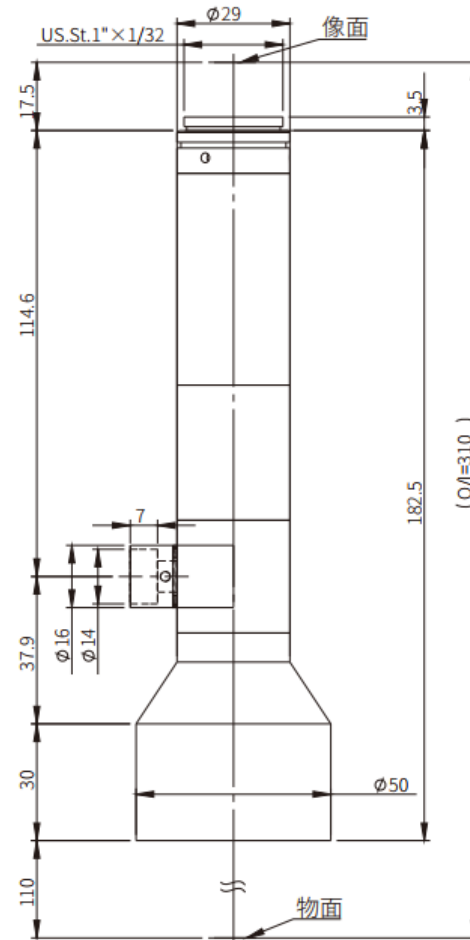
XF-10MDT2X65-1C-VI

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	7.1
Wide field of view	5.2
Total length of lens (mm)	150.4
Maximum diameter (mm)	44
O/I (mm)	232.9
Lens interface	C Mount
Optical distortion (%)	0.1
Resolution (μm)	2.4-32.6
aperture	F7.1-98.9
Depth of field (mm)	0.20-2.8
Image field (mm)	17.6
Telecentric design value (°)	0.205
Object field φ (mm)	8.8
Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	2



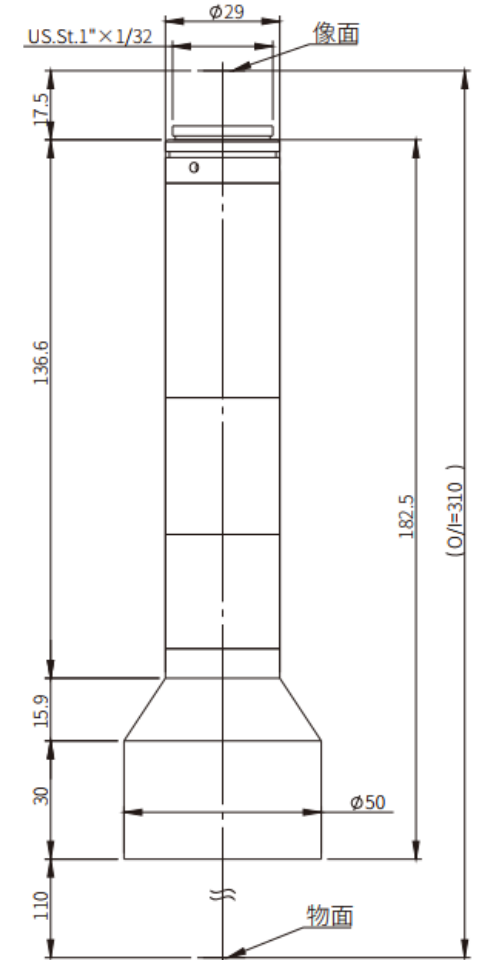
XF-10MDT1.5X110D-1C

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	9.5
Wide field of view	6.9
Total length of lens (mm)	182.5
Maximum diameter (mm)	50
O/I (mm)	310
Lens interface	C Mount
Optical distortion (%)	0.082
Resolution (μm)	5.1
aperture	F11.5
Depth of field (mm)	0.57
Image field (mm)	17.6
Telecentric design value (°)	0.1
Object field φ (mm)	11.7
Working distance (mm)	110
Optical structure	Telecentric
Magnification (X)	1.5



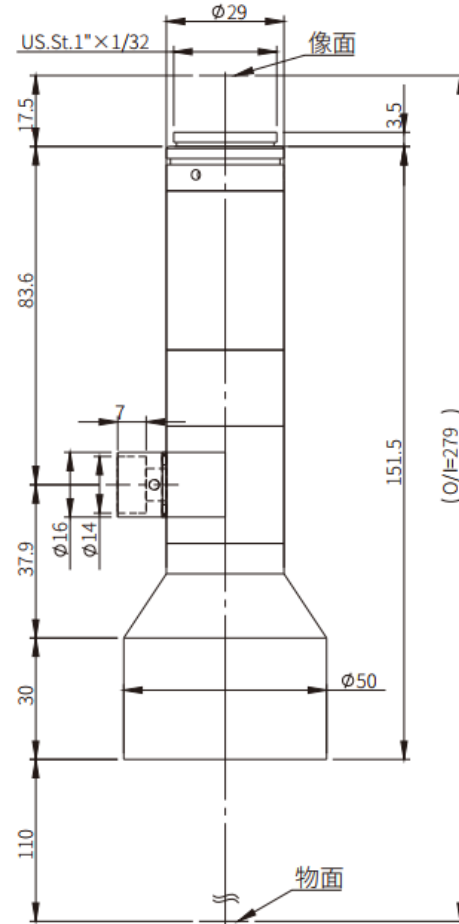
XF-10MDT1.5X110-1C

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	9.5
Wide field of view	6.9
Total length of lens (mm)	182.5
Maximum diameter (mm)	50
O/I (mm)	310
Lens interface	C Mount
Optical distortion (%)	0.082
Resolution (μm)	5.1
aperture	F11.5
Depth of field (mm)	0.57
Image field (mm)	17.6
Telecentric design value (°)	0.1
Object field φ (mm)	11.7
Working distance (mm)	110
Optical structure	Telecentric
Magnification (X)	1.5



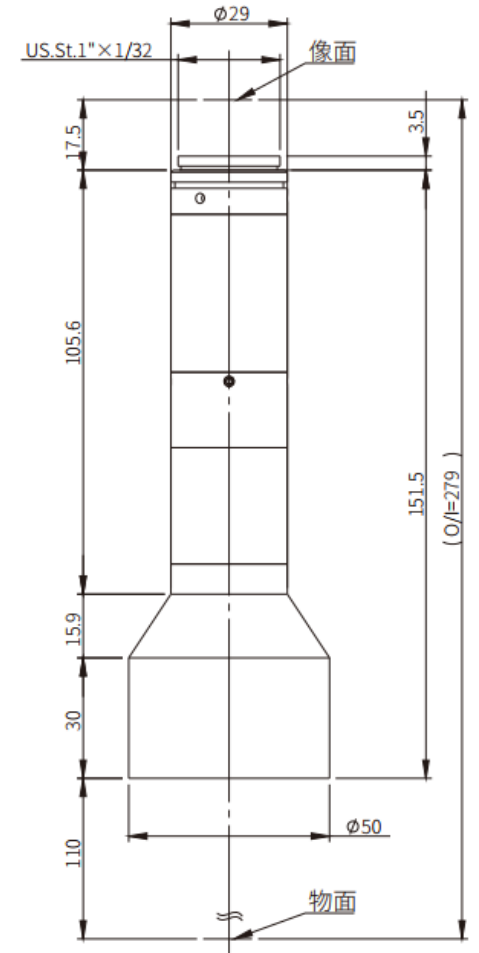
XF-10MDT1X110D-1C

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	14.2
Wide field of view	10.4
Total length of lens (mm)	151.5
Maximum diameter (mm)	50
O/I (mm)	279
Lens interface	C Mount
Optical distortion (%)	0.08
Resolution (μm)	6.5
aperture	F10
Depth of field (mm)	1.1
Image field (mm)	17.6
Telecentric design value (°)	0.076
Object field φ (mm)	17.6
Working distance (mm)	110
Optical structure	Telecentric
Magnification (X)	1



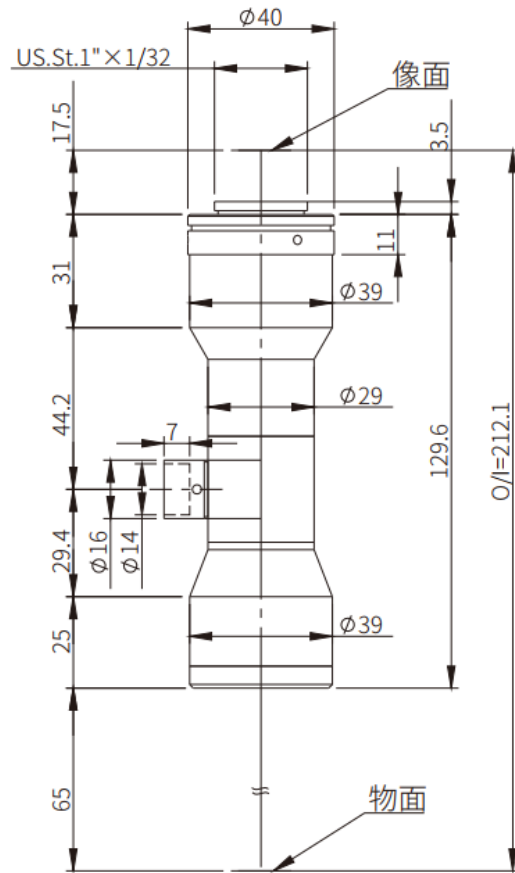
XF-10MDT1X110-1C

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Chip length	14.2
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Resolution (μm)	6.5
aperture	F10
Depth of field (mm)	1.1
Image field (mm)	17.6
Telecentric design value (°)	0.076
Object field φ (mm)	17.6
Working distance (mm)	110
Optical structure	Telecentric
Magnification (X)	1



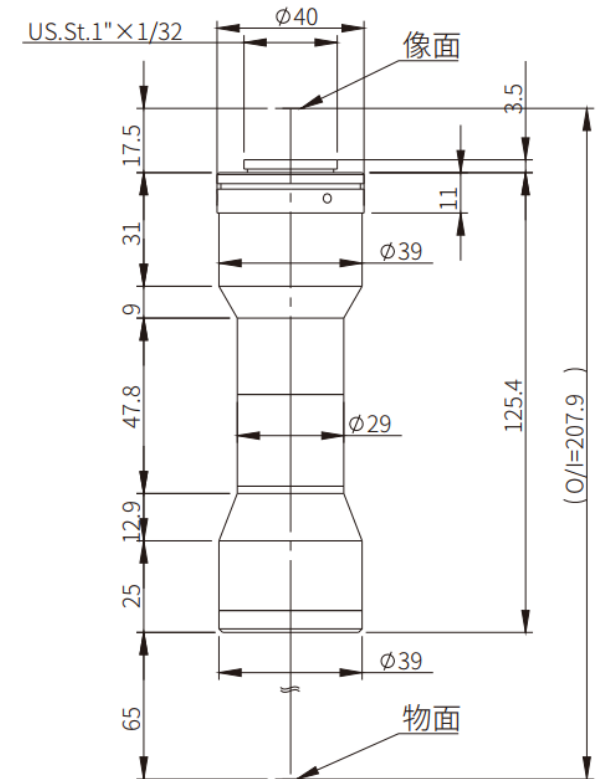
XF-10MDT1X65D-1C

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	14.2
Wide field of view	10.4
Total length of lens (mm)	129.6
Maximum diameter (mm)	39
O/I (mm)	212.1
Lens interface	C Mount
Optical distortion (%)	0.008
Resolution (μm)	4.6
aperture	F7
Depth of field (mm)	0.79
Image field (mm)	17.6
Telecentric design value (°)	0.191
Object field φ (mm)	17.6
Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	1



XF-10MDT1X65-1C

Chip type	1.1"
Chip length	14.2
Chip width	10.4
diagonal	17.6
Long object field of view	14.2
Wide field of view	10.4
Total length of lens (mm)	129.6
Maximum diameter (mm)	39
O/I (mm)	212.1
Lens interface	C Mount
Optical distortion (%)	0.008
Resolution (μm)	4.6
aperture	F7
Depth of field (mm)	0.79
Image field (mm)	17.6
Telecentric design value (°)	0.191
Object field φ (mm)	17.6
Working distance (mm)	65
Optical structure	Telecentric
Magnification (X)	1





큐브아이엔티

Machine Vision System & Component

THANK YOU

제품관련 문의 및 상담은 하단의 연락처로 문의주시면
언제나 친절하고 성실히 응대해 드립니다.

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