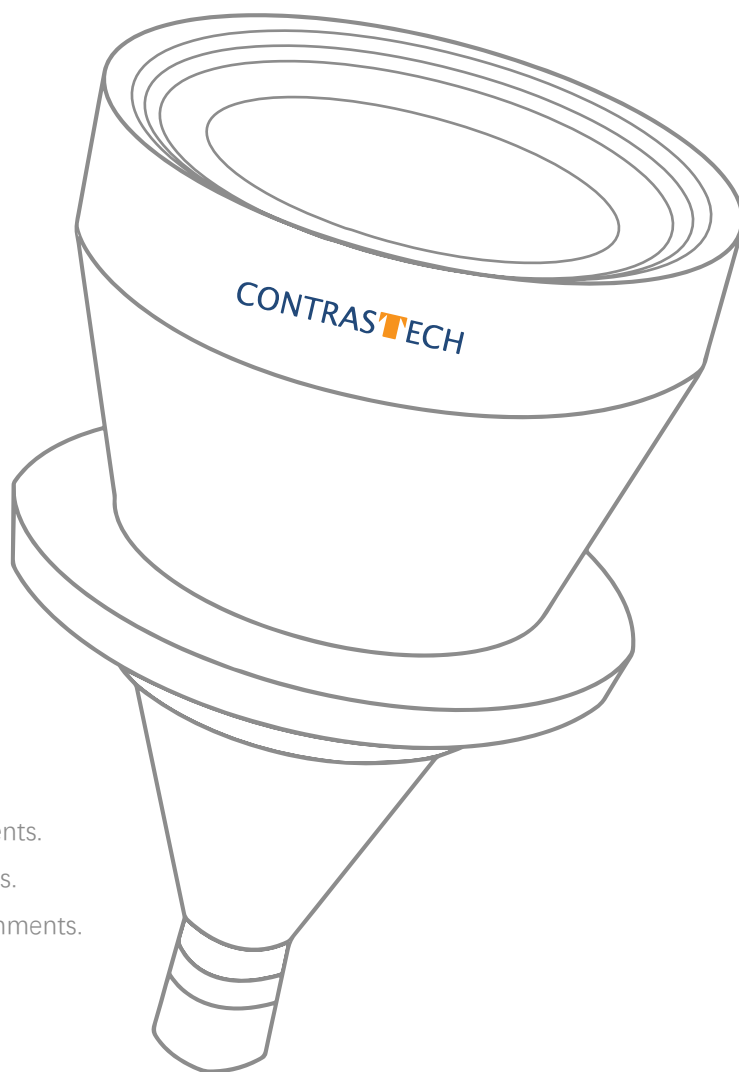


CLW2-10MP SERIES



MAIN FEATURES

- ◆ **High telecentricity** for thick object imaging.
- ◆ **Nearly zero distortion** for accurate measurements.
- ◆ **Excellent resolution** for high resolution cameras.
- ◆ **Simple and robust design** for industrial environments.

ABOUT US



Hangzhou Contrastech Co., Ltd. is a leading imaging technology company with 20+ years of expertise in machine vision, optical imaging, and intelligent data processing.

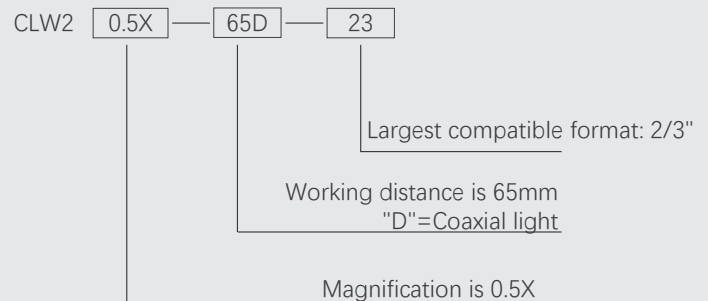
Our flagship telecentric lenses, together with 360° telecentric lenses and telecentric light sources, deliver distortion-free imaging and precise measurement, with stable illumination for advanced automation and inspection.

Beyond standard products, we provide customized optical solutions—including infrared, ultraviolet, and multispectral designs—to tackle the most demanding applications.

Today, Contrastech telecentric technology powers leading-edge AI vision systems worldwide, enabling high-precision inspection, intelligent recognition, and reliable data acquisition. By combining world-class performance with optimized cost control, we help customers cut costs by 30–50% while achieving top-tier performance and efficiency.

CLW2-10MP SERIES

NAMING RULES



HIGH RESOLUTION

PRODUCT FEATURES

1. Optimized for AOI application;
2. Large FOV with low magnification;
3. Long working distance easy for illuminations and object allocation design;
4. High accuracy, low distortion, high telecentricity, support up to 1.1" 12M class high-speed camera.



Model No.	Coaxial	Mag. (x)	WD (mm)	Max. Sesnor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	Length (mm)	Mount
CLW2-0.3X-110-23	No	0.3	110±2	11.0(2/3")	5.6	>170	±2.5@F5.6	<0.02	<0.04	118.0	C Mount
CLW2-0.3X-110D-23	Yes	0.3	110±2	11.0(2/3")	5.6	>170	±2.5@F5.6	<0.02	<0.04	118.0	C Mount
CLW2-0.4X-110-23	No	0.4	110±2	11.0(2/3")	7	>140	±1.8@F7	<0.02	<0.03	140.2	C Mount
CLW2-0.4X-110D-23	Yes	0.4	110±2	11.0(2/3")	7	>140	±1.8@F7	<0.02	<0.03	140.2	C Mount
CLW2-0.5X-110-23	No	0.5	110±2	11.0(2/3")	7	>140	±1.1@F7	<0.03	<0.03	127.3	C Mount
CLW2-0.5X-110D-23	Yes	0.5	110±2	11.0(2/3")	7	>140	±1.1@F7	<0.03	<0.03	127.3	C Mount
CLW2-0.8X-110-H1.1	No	0.8	110±2	18.0(1.1")	7.9	>85	±0.5@F7.9	<0.1	<0.1	122.7	C Mount
CLW2-0.8X-110D-H1.1	Yes	0.8	110±2	18.0(1.1")	7.9	>85	±0.5@F7.9	<0.1	<0.1	122.7	C Mount
CLW2-1.0X-110-H1.1	No	1	110±2	18.0(1.1")	7	>105	±0.3@F7	<0.13	<0.18	133.3	C Mount
CLW2-1.0X-110D-H1.1	Yes	1	110±2	18.0(1.1")	7	>105	±0.3@F7	<0.13	<0.18	133.3	C Mount
CLW2-1.5X-110-H1.1	No	1.5	110±2	18.0(1.1")	10	>78	±0.18@F10	<0.1	<0.1	128.8	C Mount
CLW2-1.5X-110D-H1.1	Yes	1.5	110±2	18.0(1.1")	10	>78	±0.18@F10	<0.1	<0.1	128.8	C Mount
CLW2-2.0X-110-H1.1	No	2	110±2	18.0(1.1")	13.5	>60	±0.14@F13.5	<0.1	<0.1	133.2	C Mount
CLW2-2.0X-110D-H1.1	Yes	2	110±2	18.0(1.1")	13.5	>60	±0.14@F13.5	<0.1	<0.1	133.2	C Mount
CLW2-3.0X-110-H1.1	No	3	110±2	18.0(1.1")	20.1	>40	±0.09@F20.1	<0.1	<0.1	161.8	C Mount
CLW2-3.0X-110D-H1.1	Yes	3	110±2	18.0(1.1")	20.1	>40	±0.09@F20.1	<0.1	<0.1	166.1	C Mount
CLW2-4.0X-110-H1.1	No	4	100±2	18.0(1.1")	26.5	>35	±0.07@F26.5	<0.05	<0.01	187.0	C Mount

[Click to view details/drawings](#)

WD 180-200mm

Model No.	 Click to view details/drawings										
	Coaxial	Mag. (x)	WD (mm)	Max. Sesnor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	Length (mm)	Mount
CLW2-0.3X-180-118	No	0.3	180±2	9.0(1/1.8")	8	>100	±7@F16	<0.1	<0.1	166.2	C Mount
CLW2-0.3X-180-23	No	0.3	180±2	11.0(2/3")	10	>83	±7@F16	<0.1	<0.1	166.3	C Mount
CLW2-0.3X-180D-23	Yes	0.3	180±2	11.0(2/3")	10	>83	±7@F16	<0.1	<0.1	166.2	C Mount
CLW2-0.14X-190-125	No	0.14	190±2	7.2(1/2.5")	8	>100	±32.5@F16	<0.2	<0.1	132.8	C Mount
CLW2-0.22X-200-118	No	0.22	200±3	9.0(1/1.8")	8	>95	±13@F16	<0.1	<0.1	150	C Mount
CLW2-0.22X-200-23	No	0.22	200±3	11.0(2/3")	10	>80	±13@F16	<0.1	<0.1	150	C Mount
CLW2-0.22X-200-23(LM)	No	0.22	200±3	11.0(2/3")	6.9	>130	±5.7@F6.9	<0.05	<0.05	190.1	C Mount

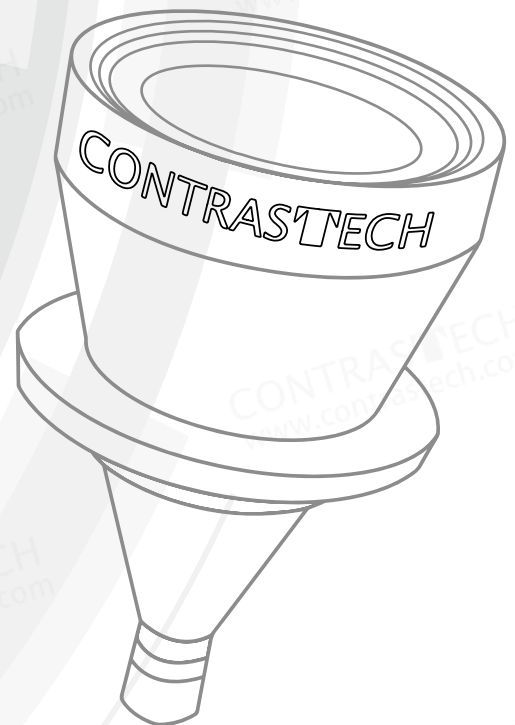
WD 220-250mm

Model No.	 Click to view details/drawings										
	Coaxial	Mag. (x)	WD (mm)	Max. Sesnor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	Length (mm)	Mount
CLW2-0.22XH-220-H1.1	No	0.22	220±3	18.0(1.1")	8	>110	±6.6@F8	<0.1	<0.15	232.9	C Mount
CLW2-0.23XH-220-H1.1	No	0.23	220±3	18.0(1.1")	8	>110	±6.0@F8	<0.1	<0.18	233.0	C Mount
CLW2-0.246X-220-H1.1	No	0.246	220±3	18.0(1.1")	8	>100	±5.3@F8	<0.1	<0.13	232.9	C Mount
CLW2-0.275X-220-H1	No	0.275	220±3	16.0(1")	8	>113	±8.5@F8	<0.03	<0.1	242.9	C Mount
CLW2-0.275X-220-H1.1	No	0.275	220±3	18.0(1.1")	8	>105	±4.2@F8	<0.1	<0.15	242.9	C Mount
CLW2-0.3X-220-23	No	0.3	220±3	11.0(2/3")	13.6	>63	±9.7@F22	<0.1	<0.1	167.7	C Mount
CLW2-0.3X-220D-23	Yes	0.3	220±3	11.0(2/3")	13.6	>63	±9.7@F22	<0.1	<0.1	167.7	C Mount
CLW2-0.32X-220-H1	No	0.32	220±3	16.0(1")	12.1	>75	±4.7@F12.1	<0.15	<0.07	210.0	C Mount
CLW2-0.345XH-220-H1.1	No	0.345	220±3	18.0(1.1")	8	>115	±2.7@F8	<0.1	<0.1	212.2	C Mount
CLW2-0.367XH-220-H1	No	0.367	220±3	16.0(1")	8	>115	±4.7@F8	<0.1	<0.1	214.9	C Mount
CLW2-0.367XH-220-H1.1	No	0.367	220±3	18.0(1.1")	8	>115	±2.4@F8	<0.1	<0.1	213.1	C Mount
CLW2-0.46X-220-H1	No	0.46	220±3	16.0(1")	11.6	>80	±2.2@F11.6	<0.25	<0.1	205.2	C Mount
CLW2-0.46X-220D-H1	Yes	0.46	220±3	16.0(1")	11.6	>80	±2.2@F11.6	<0.25	<0.1	205.2	C Mount
CLW2-0.5X-220-H1	No	0.5	220±3	16.0(1")	8	>110	±1.3@F8	<0.1	<0.1	205.7	C Mount
CLW2-0.5X-220D-H1	Yes	0.5	220±3	16.0(1")	8	>110	±1.3@F8	<0.1	<0.1	205.7	C Mount
CLW2-0.5X-220-H1.1	No	0.5	220±3	18.0(1.1")	7	>140	±1.1@F7	<0.05	<0.02	205.4	C Mount
CLW2-0.5X-220D-H1.1	Yes	0.5	220±3	18.0(1.1")	7	>140	±1.1@F7	<0.05	<0.02	205.4	C Mount
CLW2-0.55X-220-H1	No	0.55	220±3	16.0(1")	8	>110	±1.1@F8	<0.1	<0.1	215.4	C Mount
CLW2-0.55XH-220-H1.1	No	0.55	220±3	18.0(1.1")	10.1	>90	±1.3@F10.1	<0.1	<0.1	215.6	C Mount
CLW2-0.55X-220D-H1.1	Yes	0.55	220±3	18.0(1.1")	10.1	>90	±1.3@F10.1	<0.1	<0.1	215.6	C Mount
CLW2-0.3X-250-H1	No	0.3	250±3	16.0(1")	8	>102	±3.6@F8	<0.2	<0.2	200.6	C Mount

1. Models with letter "D" support coaxial lights. The back focal length of model with (LM) is adjustable.

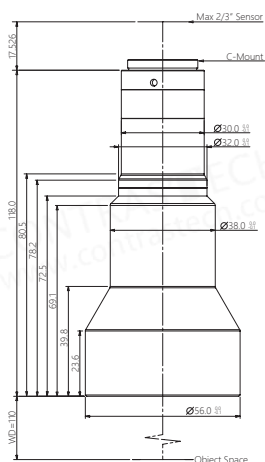
2. **Warm tips:** The above DOF is just theoretical value at the ideal aperture (eg. ±763@F11). Actual DOF or the DOF what you need, please check with our sales engineer before order cfm.

LENS PARAMETER DIAGRAM



CLW2-10MP Series

CLW2-0.3X-110-23

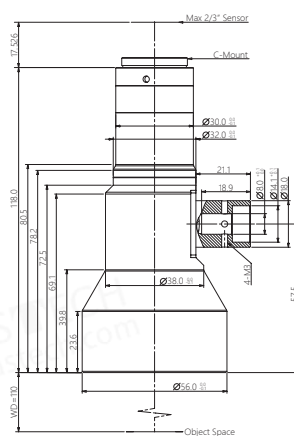


Mag.(x)	0.3
WD(mm)	110±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	5.6
MTF30(lp/mm)	>170
DoF(mm)	±2.5@F5.6
Distortion(% max)	<0.02
Telecentricity(° max)	<0.04
Length(mm)	118.0
Mount	C Mount
Coaxial Light	No

Field of View(mm x mm)

1/1.8" EV76C570 (7.2x5.4)	24.0x18.0
1/1.7" IMX226 (7.5x5.6)	25.0x18.7
2/3" IMX250/264 (8.45x7.1)	28.2x23.7

CLW2-0.3X-110D-23

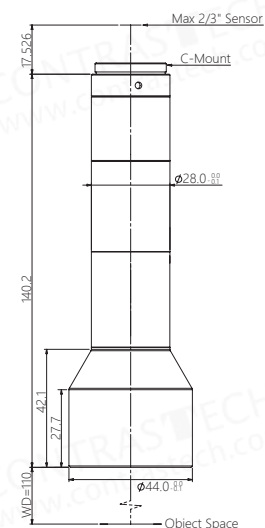


Mag.(x)	0.3
WD(mm)	110±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	5.6
MTF30(lp/mm)	>170
DoF(mm)	±2.5@F5.6
Distortion(% max)	<0.02
Telecentricity(° max)	<0.04
Length(mm)	118.0
Mount	C Mount
Coaxial Light	Yes

Field of View(mm x mm)

1/1.8" EV76C570 (7.2x5.4)	24.0x18.0
1/1.7" IMX226 (7.5x5.6)	25.0x18.7
2/3" IMX250/264 (8.45x7.1)	28.2x23.7

CLW2-0.4X-110-23

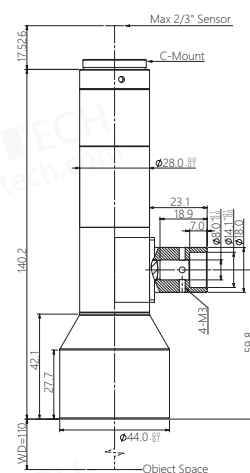


Mag.(x)	0.4
WD(mm)	110±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	7
MTF30(lp/mm)	>140
DoF(mm)	±1.8@F7
Distortion(% max)	<0.02
Telecentricity(° max)	<0.03
Length(mm)	140.2
Mount	C Mount
Coaxial Light	No

Field of View(mm x mm)

1/1.8" EV76C570 (7.2x5.4)	18.0x13.5
1/1.7" IMX226 (7.5x5.6)	18.8x14.0
2/3" IMX250/264 (8.45x7.1)	21.1x17.8

CLW2-0.4X-110D-23

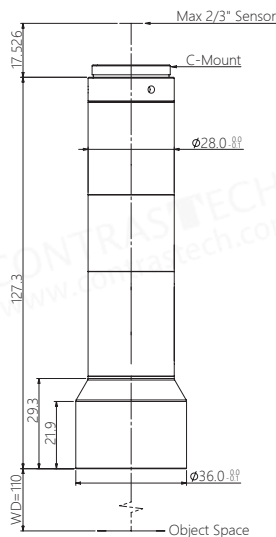


Mag.(x)	0.4
WD(mm)	110±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	7
MTF30(lp/mm)	>140
DoF(mm)	±1.8@F7
Distortion(% max)	<0.02
Telecentricity(° max)	<0.03
Length(mm)	140.2
Mount	C Mount
Coaxial Light	Yes

Field of View(mm x mm)

1/1.8" EV76C570 (7.2x5.4)	18.0x13.5
1/1.7" IMX226 (7.5x5.6)	18.8x14.0
2/3" IMX250/264 (8.45x7.1)	21.1x17.8

CLW2-0.5X-110-23

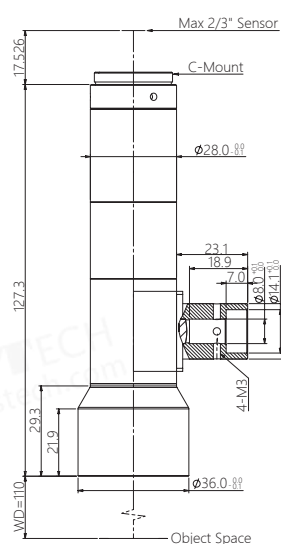


Mag.(x)	0.5
WD(mm)	110±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	7
MTF30(lp/mm)	>140
DoF(mm)	±1.1@F7
Distortion(% max)	<0.03
Telecentricity(° max)	<0.03
Length(mm)	127.3
Mount	C Mount
Coaxial Light	No

Field of View(mm x mm)

1/1.8" EV76C570 (7.2x5.4)	14.4x10.8
1/1.7" IMX226 (7.5x5.6)	15.0x11.2
2/3" IMX250/264 (8.45x7.1)	16.9x14.2

CLW2-0.5X-110D-23



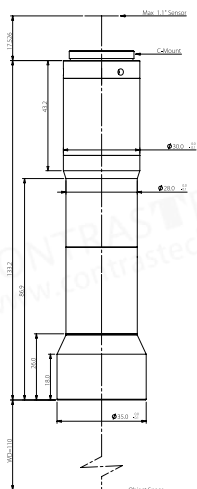
Mag.(x)	0.5
WD(mm)	110±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	7
MTF30(lp/mm)	>140
DoF(mm)	±1.1@F7
Distortion(% max)	<0.03
Telecentricity(° max)	<0.03
Length(mm)	127.3
Mount	C Mount
Coaxial Light	Yes

Field of View(mm x mm)

1/1.8" EV76C570 (7.2x5.4)	14.4x10.8
1/1.7" IMX226 (7.5x5.6)	15.0x11.2
2/3" IMX250/264 (8.45x7.1)	16.9x14.2

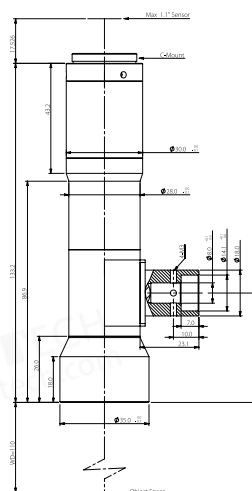
CLW2-10MP Series

CLW2-2.0X-110-H1.1



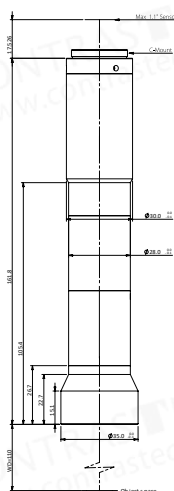
Mag.(x)	2.0
WD(mm)	110±2
Max Sensor Size(Φmm)	18.0(1.1")
F/#	13.5
MTF30(lp/mm)	>60
DoF(mm)	±0.14@ F13.5
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	133.2
Mount	C Mount
Coaxial Light	No
Field of View(mm xmm)	
1.1" IMX253(14.19x10.38)	7.1x5.2

CLW2-2.0X-110D-H1.1



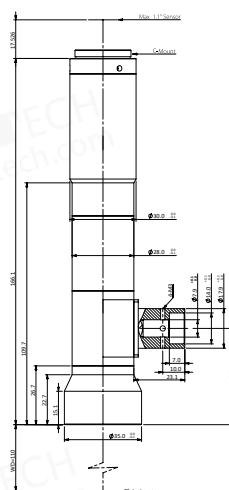
Mag.(x)	2.0
WD(mm)	110±2
Max Sensor Size(Φmm)	18.0(1.1")
F/#	13.5
MTF30(lp/mm)	>60
DoF(mm)	±0.14@ F13.5
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	133.2
Mount	C Mount
Coaxial Light	Yes
Field of View(mm xmm)	
1.1" IMX253(14.19x10.38)	7.1x5.2

CLW2-3.0X-110-H1.1



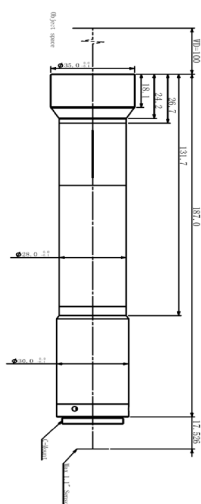
Mag.(x)	3.0
WD(mm)	110±2
Max Sensor Size(Φmm)	18.0(1.1")
F/#	20.1
MTF30(lp/mm)	>40
DoF(mm)	±0.09@F20.1
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	161.8
Mount	C Mount
Coaxial Light	No
Field of View(mm xmm)	
1.1" IMX253(14.19x10.38)	4.7x3.5

CLW2-3.0X-110D-H1.1



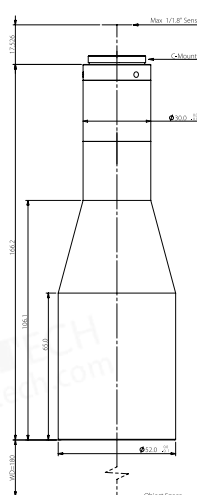
Mag.(x)	3.0
WD(mm)	110±2
Max Sensor Size(Φmm)	18.0(1.1")
F/#	20.1
MTF30(lp/mm)	>40
DoF(mm)	±0.09@F20.1
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	161.8
Mount	C Mount
Coaxial Light	Yes
Field of View(mm xmm)	
1.1" IMX253(14.19x10.38)	4.7x3.5

CLW2-4.0X-110-H1.1



Mag.(x)	4.0
WD(mm)	100±2
Max Sensor Size(Φmm)	18(1.1")
F/#	26.5
MTF30(lp/mm)	>35
DoF(mm)	±0.07@F26.5
Distortion(% max)	<0.05
Telecentricity(° max)	<0.01
Length(mm)	187
Mount	C Mount
Coaxial Light	No
Field of View(mm xmm)	
1" IMX183 (13.13x8.76)	3.3x2.2
1.1" IMX253 (14.19x10.38)	3.5x2.6

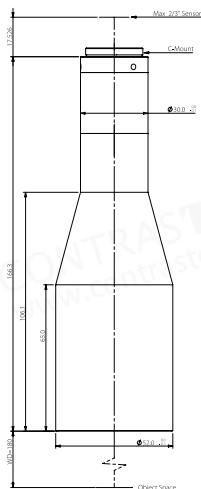
CLW2-0.3X-180-118



Mag.(x)	0.3
WD(mm)	180±2
Max Sensor Size(Φmm)	9.0(1/8")
F/#	8
MTF30(lp/mm)	>100
DoF(mm)	±7@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	166.2
Mount	C Mount
Coaxial Light	No
Field of View(mm xmm)	
1/1.8" ICX274/687(7.16x5.44)	23.9x18.1
1/1.8" EV765C570(7.2x5.4)	24.0x18.0

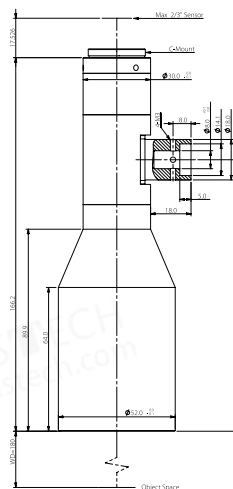
CLW2-10MP Series

CLW2-0.3X-180-23



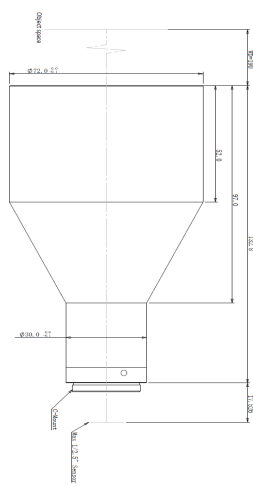
Mag.(x)	0.3
WD(mm)	180±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	10
MTF30(lp/mm)	>83
DoF(mm)	±7@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	166.3
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	2/3" ICX625/655(8.47x7.1) 28.2x23.7

CLW2-0.3X-180D-23



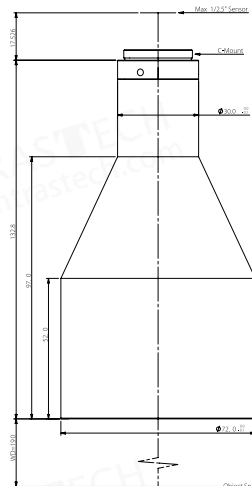
Mag.(x)	0.3
WD(mm)	180±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	10
MTF30(lp/mm)	>83
DoF(mm)	±7@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	166.3
Mount	C Mount
Coaxial Light	Yes
Field of View(mm x mm)	2/3" ICX625/655(8.47x7.1) 28.2x23.7

CLW2-0.14X-190-125



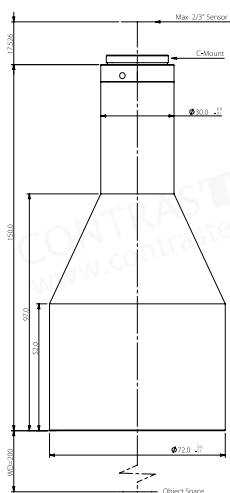
Mag.(x)	0.14
WD(mm)	190±2
Max Sensor Size(Φmm)	7.2(1/2.5")
F/#	8
MTF30(lp/mm)	>100
DoF(mm)	±32.5@F16
Distortion(% max)	<0.2
Telecentricity(° max)	<0.1
Length(mm)	132.8
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	2/3" ICX625/655(8.47x7.1) 40.7x30.6

CLW2-0.22X-200-118



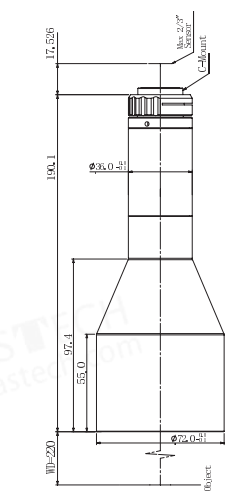
Mag.(x)	0.22
WD(mm)	200±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	8
MTF30(lp/mm)	>95
DoF(mm)	±13@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	150.0
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	1/1.8" ICX274/687(7.16x5.44) 32.6x24.7
	1/1.8" EV76C570(7.2x5.4) 32.7x24.6

CLW2-0.22X-200-23



Mag.(x)	0.22
WD(mm)	200±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	10
MTF30(lp/mm)	>80
DoF(mm)	±13@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	150.0
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	2/3" ICX625/655(8.47x7.1) 38.5x32.3

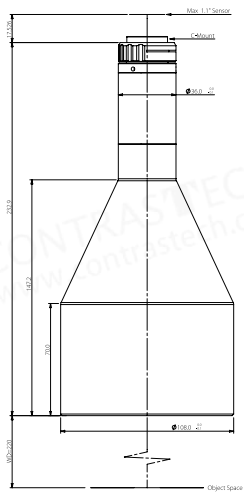
CLW2-0.22X-200-23(LM)



Mag.(x)	0.22
WD(mm)	200±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	6.9
MTF30(lp/mm)	>130
DoF(mm)	±5.7@F6.9
Distortion(% max)	<0.05
Telecentricity(° max)	<0.05
Length(mm)	190.1
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	1/1.8" EV76C570 (7.2x5.4) 32.7x24.5
	1/1.7" IMX226 (7.5x5.6) 34.1x25.5
	2/3" IMX250/264 (8.45x7.1) 38.4x32.3

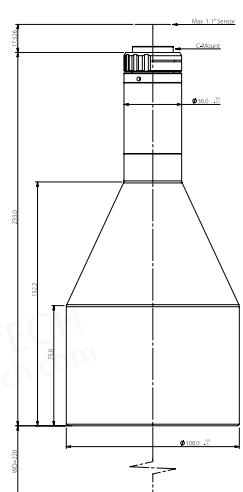
CLW2-10MP Series

CLW2-0.22XH-220-H1.1



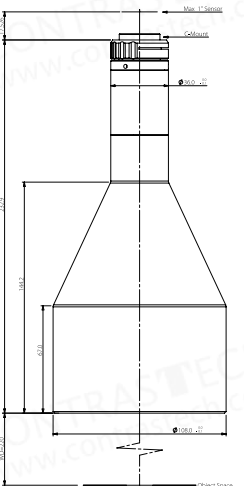
Mag.(x)	0.22
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	8
MTF30(lp/mm)	>110
DoF(mm)	±6.6@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.15
Length(mm)	232.9
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	59.7x39.8
1.1" IMX253(14.19x10.38)	64.5x47.2

CLW2-0.23XH-220-H1.1



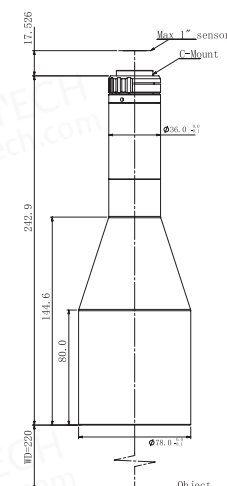
Mag.(x)	0.23
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	8
MTF30(lp/mm)	>110
DoF(mm)	±6.0@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.18
Length(mm)	233.0
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	57.1x38.1
1.1" IMX253(14.19x10.38)	61.7x45.1

CLW2-0.246X-220-H1.1



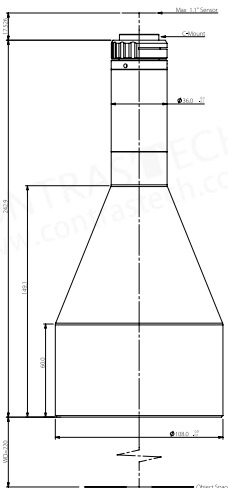
Mag.(x)	0.246
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	8
MTF30(lp/mm)	>100
DoF(mm)	±5.3@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.13
Length(mm)	232.9
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	53.4x35.6
1.1" IMX253(14.19x10.38)	57.7x42.2

CLW2-0.275X-220-H1



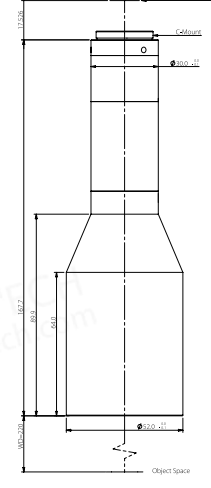
Mag.(x)	0.275
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	8
MTF30(lp/mm)	>113
DoF(mm)	±8.5@F8
Distortion(% max)	<0.03
Telecentricity(° max)	<0.1
Length(mm)	242.9
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	45.2x35.7
1" IMX255 (14.19x7.51)	51.6x27.3
1" IMX183 (13.13x8.76)	47.7x31.9

CLW2-0.275X-220-H1.1



Mag.(x)	0.275
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	8
MTF30(lp/mm)	>105
DoF(mm)	±4.2@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.15
Length(mm)	242.9
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	47.7x31.9
1.1" IMX253 (14.19x10.38)	51.6x37.7

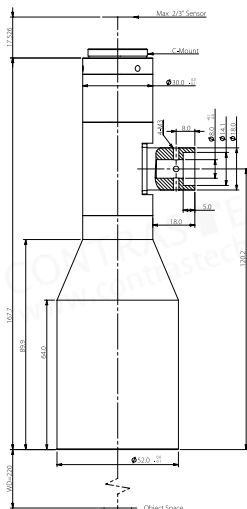
CLW2-0.3X-220-23



Mag.(x)	0.3
WD(mm)	220±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	13.6
MTF30(lp/mm)	>63
DoF(mm)	±9.7@F22
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	167.7
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
2/3" ICX625/655(8.47x7.1)	28.2x23.7

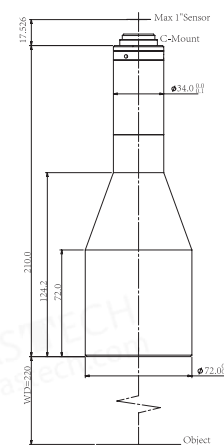
CLW2-10MP Series

CLW2-0.3X-220D-23



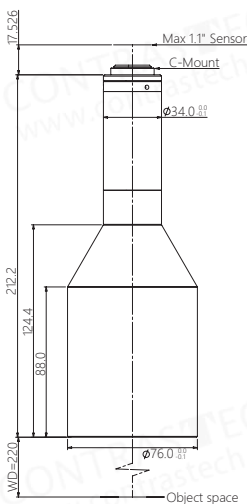
Mag.(x)	0.3
WD(mm)	220±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	13.6
MTF30(lp/mm)	>63
DoF(mm)	±9.7@F22
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	167.7
Mount	C Mount
Coaxial Light	Yes
Field of View(mm x mm)	
2/3" ICX625/655(8.47x7.1)	28.2x23.7

CLW2-0.32X-220-H1



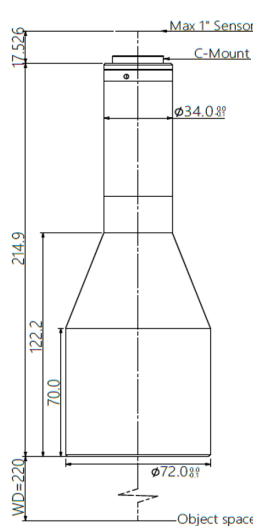
Mag.(x)	0.32
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	12.1
MTF30(lp/mm)	>75
DoF(mm)	±4.7@F12.1
Distortion(% max)	<0.15
Telecentricity(° max)	<0.07
Length(mm)	210.0
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	38.8x30.7
1" IMX255 (14.19x7.51)	44.3x23.5
1" IMX183 (13.13x8.76)	41.0x27.4

CLW2-0.345XH-220-H1.1



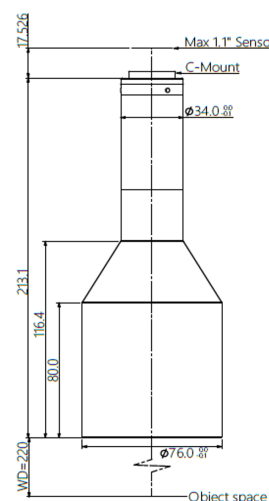
Mag.(x)	0.345
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	8
MTF30(lp/mm)	>115
DoF(mm)	±2.7@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	212.2
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	38.1x25.4
1.1" IMX253 (14.19x10.38)	41.1x30.1

CLW2-0.367XH-220-H1



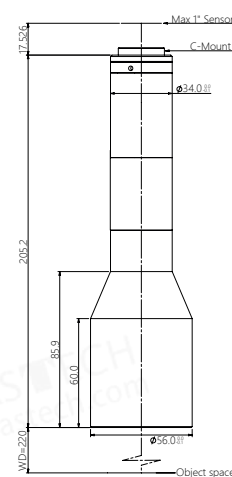
Mag.(x)	0.367
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	8
MTF30(lp/mm)	>115
DoF(mm)	±4.7@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	214.9
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" PYTHON 5000(2.43x9.83)	33.9x26.8
1" IMX255(14.19x7.51)	38.7x20.5
1" IMX183(13.13x8.76)	35.8x23.9

CLW2-0.367XH-220-H1.1



Mag.(x)	0.367
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	8
MTF30(lp/mm)	>115
DoF(mm)	±2.4@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	213.1
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	35.8x23.9
1.1" IMX253 (14.19x10.38)	38.7x28.3

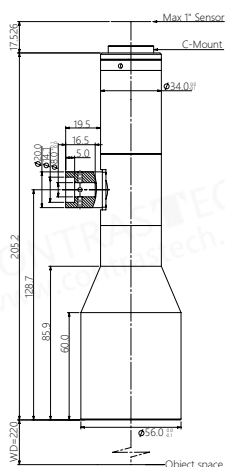
CLW2-0.46X-220-H1



Mag.(x)	0.46
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	11.6
MTF30(lp/mm)	>80
DoF(mm)	±2.2@F11.6
Distortion(% max)	<0.25
Telecentricity(° max)	<0.1
Length(mm)	205.2
Mount	C Mount
Coaxial Light	No
Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	27.0x21.4
1" IMX255 (14.19x7.51)	30.8x16.3
1" IMX183 (13.13x8.76)	28.5x19.0

CLW2-10MP Series

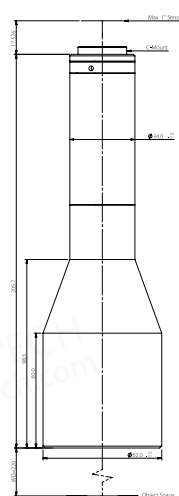
CLW2-0.46X-220-H1



Mag.(x)	0.46
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	11.6
MTF30(lp/mm)	>80
DoF(mm)	±2.2@F11.6
Distortion(% max)	<0.25
Telecentricity(° max)	<0.1
Length(mm)	205.2
Mount	C Mount
Coaxial Light	Yes

Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	27.0x21.4
1" IMX255 (14.19x7.51)	30.8x16.3
1" IMX183 (13.13x8.76)	28.5x19.0

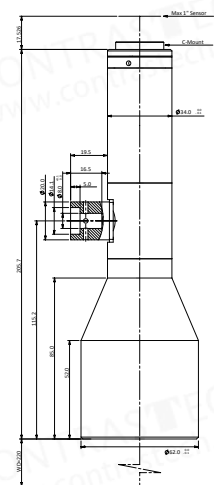
CLW2-0.5X-220-H1



Mag.(x)	0.5
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	8
MTF30(lp/mm)	>110
DoF(mm)	±1.3@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	205.7
Mount	C Mount
Coaxial Light	No

Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	24.9x19.7
1" IMX255 (14.19x7.51)	28.4x15.0
1" IMX183 (13.13x8.76)	26.3x17.5

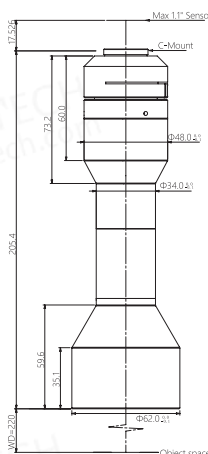
CLW2-0.5X-220D-H1



Mag.(x)	0.5
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	8
MTF30(lp/mm)	>110
DoF(mm)	±1.3@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	205.7
Mount	C Mount
Coaxial Light	Yes

Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	24.9x19.7
1" IMX255 (14.19x7.51)	28.4x15.0
1" IMX183 (13.13x8.76)	26.3x17.5

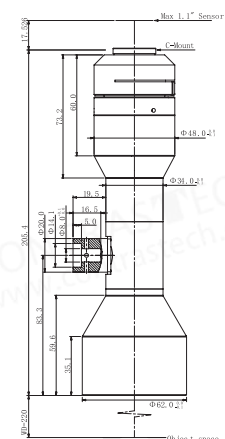
CLW2-0.5X-220-H1.1



Mag.(x)	0.5
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	7
MTF30(lp/mm)	>140
DoF(mm)	±1.1@F7
Distortion(% max)	<0.05
Telecentricity(° max)	<0.02
Length(mm)	205.4
Mount	C Mount
Coaxial Light	No

Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	26.3x17.5
1.1" IMX253 (14.19x10.38)	28.4x20.8

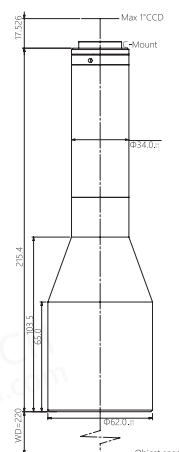
CLW2-0.5X-220D-H1.1



Mag.(x)	0.5
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	7
MTF30(lp/mm)	>140
DoF(mm)	±1.1@F7
Distortion(% max)	<0.05
Telecentricity(° max)	<0.02
Length(mm)	205.4
Mount	C Mount
Coaxial Light	Yes

Field of View(mm x mm)	
1" IMX183 (13.13x8.76)	26.3x17.5
1.1" IMX253 (14.19x10.38)	28.4x20.8

CLW2-0.55X-220-H1

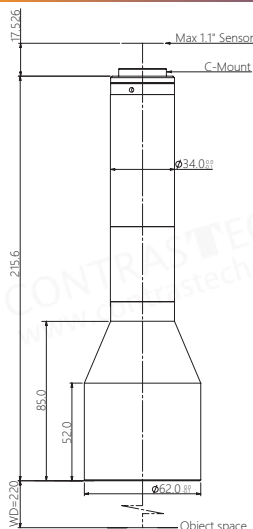


Mag.(x)	0.55
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	8
MTF30(lp/mm)	>110
DoF(mm)	±1.1@F8
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	215.4
Mount	C Mount
Coaxial Light	No

Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	22.6x17.9
1" IMX255 (14.19x7.51)	25.8x13.7
1" IMX183 (13.13x8.76)	23.9x15.9

CLW2-10MP Series

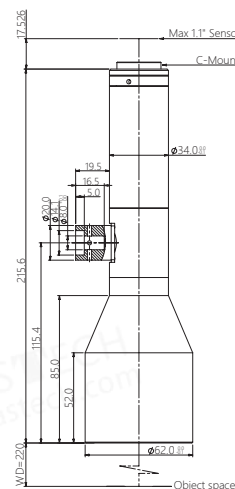
CLW2-0.55XH-220-H1.1



Mag.(x)	0.55
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	10.1
MTF30(lp/mm)	>90
DoF(mm)	±1.3@F10.1
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	215.6
Mount	C Mount
Coaxial Light	No

Field of View(mm xmm)	
1" IMX183 (13.13x8.76)	23.9x15.9
1.1" IMX253 (14.19x10.38)	25.8x18.9

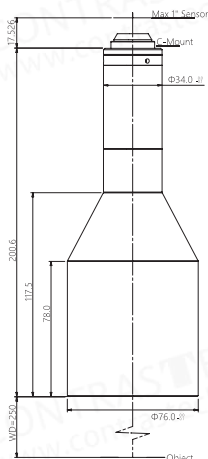
CLW2-0.55X-220D-H1.1



Mag.(x)	0.55
WD(mm)	220±3
Max Sensor Size(Φmm)	18.0(1.1")
F/#	10.1
MTF30(lp/mm)	>90
DoF(mm)	±1.3@F10.1
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
Length(mm)	215.6
Mount	C Mount
Coaxial Light	Yes

Field of View(mm xmm)	
1" KAI-04050(12.85x9.64)	23.4x17.5
1" CMV4000(11.26x11.26)	20.5x20.5
1" ICX674/694/814(12.5x10.0)	22.7x18.2

CLW2-0.3X-250-H1



Mag.(x)	0.3
WD(mm)	250±3
Max Sensor Size(Φmm)	16.0(1")
F/#	8
MTF30(lp/mm)	>102
DoF(mm)	±3.6@F8
Distortion(% max)	<0.2
Telecentricity(° max)	<0.2
Length(mm)	200.6
Mount	C Mount
Coaxial Light	No

Field of View(mm xmm)	
1" PYTHON 5000(12.43x9.83)	41.4x32.8
1" IMX255 (14.19x7.51)	47.3x25.0
1" IMX183 (13.13x8.76)	43.8x29.2

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