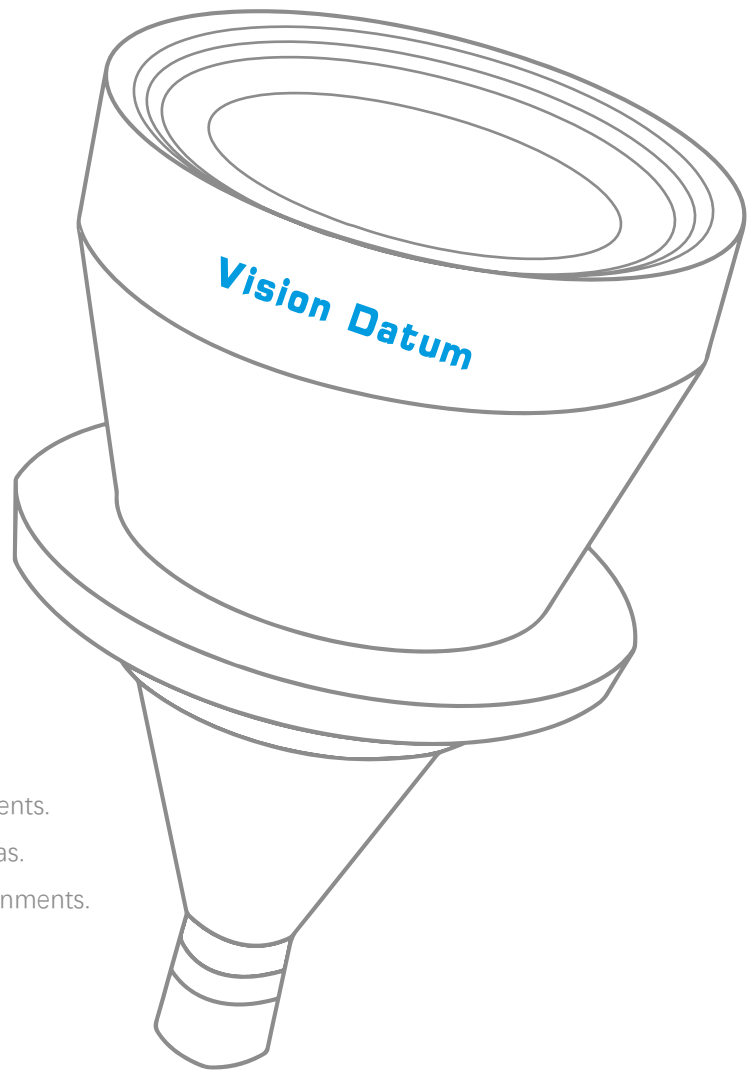




TELECENTRIC LENSES CLW2-MP SERIES

LONG WD 330-510mm



MAIN FEATURES

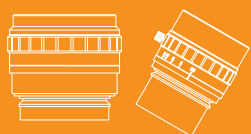
- ◆ **High telecentricity** for thick object imaging.
- ◆ **Nearly zero distortion** for accurate measurements.
- ◆ **Excellent resolution** for high resolution cameras.
- ◆ **Simple and robust design** for industrial environments.

ABOUT US

Hangzhou Vision Datum Technology Co.,Ltd. is China top leading professional machine vision products manufacturer and supplier, who have been specializing in design, development and producing machine vision products, software and systems.

With advanced technology and creative power of image acquisition and processing, Vision Datum major products have included industrial camera, scientific standard camera, industrial FA lens, telecentric lens, machine vision lights and image processing software. All products comply with international quality standards and we have more than 20 years industry experience in the fields of machine vision image acquisition and processing, optical imaging and automation.

Vision Datum provides free of charge consultation for imaging solution. With excellent pre-sales, quality control and after-sales service team, we are able to respond rapidly in 24 hours and ensure to create best value for customers. Vision Datum will innovate constantly and shall make more brilliant achievements together with our customers in the era of Industry 4.0.



CLW2-MP SERIES

LONG WD 330-510mm

1. Compact design with coaxial illumination options;
2. Perfect image and supports all kinds of Mega camera;
3. High contrast, low distortion, high resolution;
4. Long working distance up to 510mm.

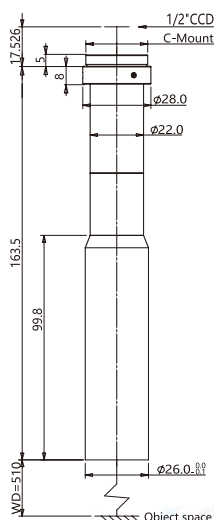


Model No.	Optical specs										Mechanical specs	
	Coaxial	Mag. (x)	WD (mm)	Max. Sesnor Size (Φmm)	F/#	DOF (mm)	Distortion (% max)	Telecentricity (° max)	Resolution (μm)	NA	Length (mm)	Mount
CLW2-MP-0.5X-510	No	0.5	510±3	9.0(1/1.8")	14.2	4.5	<0.1	/	19.3	0.0174	163.5	C Mount
CLW2-MP-0.5X-510D	Yes	0.5	510±3	9.0(1/1.8")	14.2	4.5	<0.1	/	19.3	0.0174	166.3	C Mount
CLW2-MP-1.0X-330	No	1.0	330±3	11.0(2/3")	28.6	2.3	<0.1	<0.1	19.3	0.0174	199.7	C Mount
CLW2-MP-1.0X-330D	Yes	1.0	330±3	11.0(2/3")	28.6	2.3	<0.1	<0.1	19.3	0.0174	197.6	C Mount
CLW2-MP-1.0X-410	No	1.0	410±3	11.0(2/3")	17.9	1.4	<0.1	<0.1	12.3	0.0273	178.9	C Mount
CLW2-MP-1.0X-410D	Yes	1.0	410±3	11.0(2/3")	17.9	1.4	<0.1	<0.1	12.3	0.0273	182.2	C Mount
CLW2-MP-1.0X-510	No	1.0	510±3	11.0(2/3")	25.7	2.1	<0.1	<0.1	17.0	0.0197	175.0	C Mount
CLW2-MP-1.0X-510D	Yes	1.0	510±3	11.0(2/3")	25.7	2.1	<0.1	<0.1	17.0	0.0197	178.5	C Mount

1. Models with letter "D" support coaxial lights. Models with IA support Variable Iris.

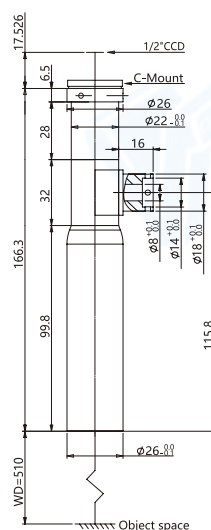
2. Warm tips: The above DOF is just theoretical value at the ideal aperture (eg. ±763@F11). Actual DOF or the DOF what you need, please check with our sales engineer before order cfm.

CLW2-MP-0.5X-510

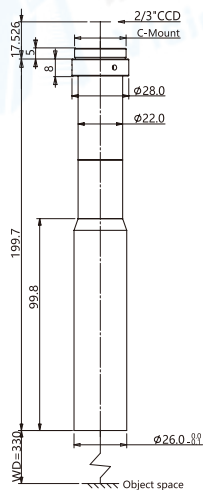


Mag.(x)	0.5
WD(mm)	510±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	14.2
Telecentricity(° max)	/
Distortion(% max)	<0.1
MTF30(lp/mm)	60
NA	0.0174
Resolution(μm)	19.3
DoF(mm)	4.5
Length(mm)	163.5
Mount	C-Mount
Coaxial Light	No
Field of View(mm x mm)	
1/3" (4.8x3.6)	9.6x7.2
1/2" (6.4x4.8)	12.8x9.6

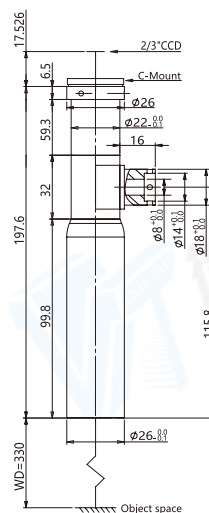
CLW2-MP-0.5X-510D



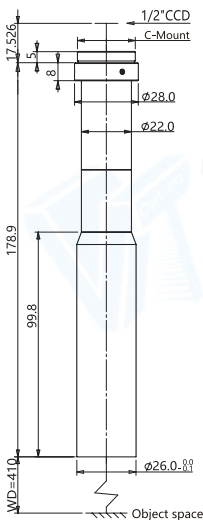
Mag.(x)	0.5
WD(mm)	510±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	14.2
Telecentricity(° max)	/
Distortion(% max)	<0.1
MTF30(lp/mm)	60
NA	0.0174
Resolution(μm)	19.3
DoF(mm)	4.5
Length(mm)	166.3
Mount	C-Mount
Coaxial Light	Yes
Field of View(mm x mm)	
1/3" (4.8x3.6)	9.6x7.2
1/2" (6.4x4.8)	12.8x9.6

CLW2-MP-1.0X-330

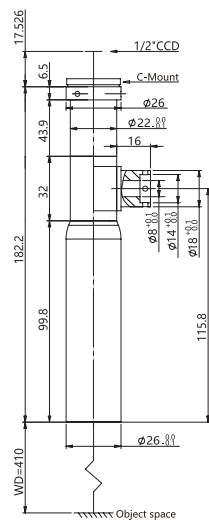
Mag.(x)	1.0
WD(mm)	330±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	28.6
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	30
NA	0.0174
Resolution(μm)	19.3
DoF(mm)	2.3
Length(mm)	199.7
Mount	C-Mount
Coaxial Light	No
Field of View(mm x mm)	
1/2" (6.4x4.8)	6.4x4.8
1/1.8" (7.13x5.37)	7.13x5.37
2/3" (8.8x6.6)	8.8x6.6

CLW2-MP-1.0X-330D

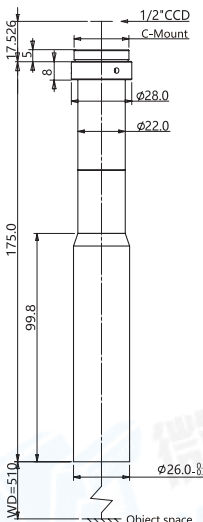
Mag.(x)	1.0
WD(mm)	330±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	28.6
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	30
NA	0.0174
Resolution(μm)	19.3
DoF(mm)	2.3
Length(mm)	197.6
Mount	C-Mount
Coaxial Light	Yes
Field of View(mm x mm)	
1/2" (6.4x4.8)	6.4x4.8
1/1.8" (7.13x5.37)	7.13x5.37
2/3" (8.8x6.6)	8.8x6.6

CLW2-MP-1.0X-410

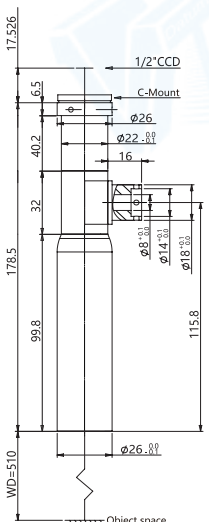
Mag.(x)	1.0
WD(mm)	410±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	17.9
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	37
NA	0.0273
Resolution(μm)	12.3
DoF(mm)	1.4
Length(mm)	178.9
Mount	C-Mount
Coaxial Light	No
Field of View(mm x mm)	
1/3" (4.8x3.6)	4.8x3.6
1/2" (6.4x4.8)	6.4x4.8

CLW2-MP-1.0X-410D

Mag.(x)	1.0
WD(mm)	410±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	17.9
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	37
NA	0.0273
Resolution(μm)	12.3
DoF(mm)	1.4
Length(mm)	182.2
Mount	C-Mount
Coaxial Light	Yes
Field of View(mm x mm)	
1/3" (4.8x3.6)	4.8x3.6
1/2" (6.4x4.8)	6.4x4.8

CLW2-MP-1.0X-510

Mag.(x)	1.0
WD(mm)	510±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	25.7
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	30
NA	0.0197
Resolution(μm)	17.0
DoF(mm)	2.1
Length(mm)	175.0
Mount	C-Mount
Coaxial Light	No
Field of View(mm x mm)	
1/3" (4.8x3.6)	4.8x3.6
1/2" (6.4x4.8)	6.4x4.8

CLW2-MP-1.0X-510D

Mag.(x)	1.0
WD(mm)	510±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	25.7
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	30
NA	0.0197
Resolution(μm)	17.0
DoF(mm)	2.1
Length(mm)	178.5
Mount	C-Mount
Coaxial Light	Yes
Field of View(mm x mm)	
1/3" (4.8x3.6)	4.8x3.6
1/2" (6.4x4.8)	6.4x4.8

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.

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