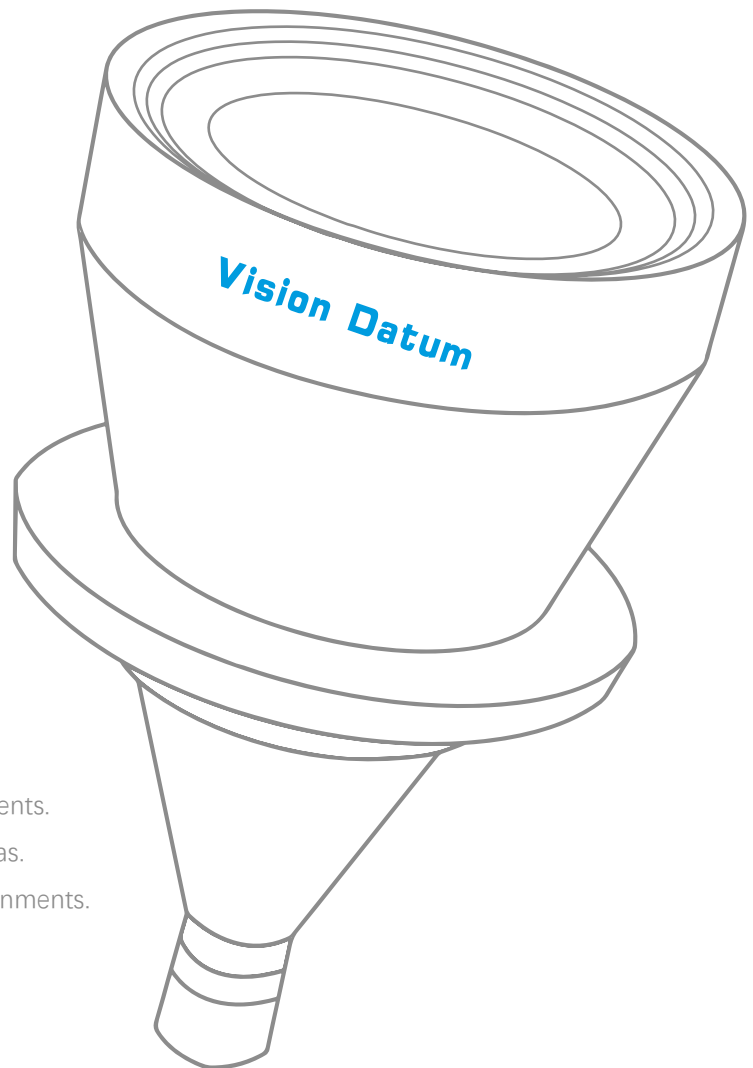




TELECENTRIC LENSES CLW2-MP SERIES

WD 130/145mm



MAIN FEATURES

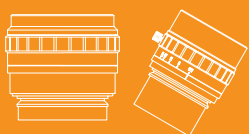
- ◆ **High telecentricity** for thick object imaging.
- ◆ **Nearly zero distortion** for accurate measurements.
- ◆ **Excellent resolution** for high resolution cameras.
- ◆ **Simple and robust design** for industrial environments.

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

■ WD 130/145mm

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. Optional adjustable Iris for resolution and DOF control.

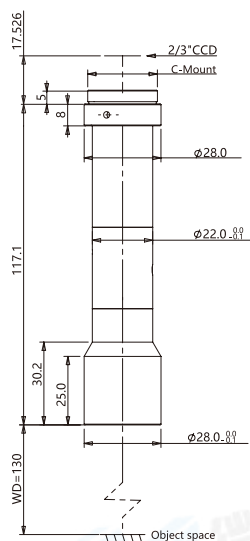


Model No.	Optical specs										Mechanical specs	
	Variable Iris	Coaxial	Mag. (x)	WD (mm)	Max. Sensor Size (Φmm)	F/#	DOF (mm)	Distortion (% max)	Telecentricity (° max)	NA	Length (mm)	Mount
CLW2-MP-0.8X-130	No	No	0.8	130±2	11.0(2/3")	12.6	1.6	<0.1	<0.1	0.0316	117.1	C Mount
CLW2-MP-0.8X-130(IA)	Yes	No	0.8	130±2	11.0(2/3")	12.6	1.6	<0.1	<0.1	0.0316	117.1	C Mount
CLW2-MP-0.8X-130D	No	Yes	0.8	130±2	11.0(2/3")	12.6	1.6	<0.1	<0.1	0.0316	121.4	C Mount
CLW2-MP-0.8X-130D(IA)	Yes	Yes	0.8	130±2	11.0(2/3")	12.6	1.6	<0.1	<0.1	0.0316	121.4	C Mount
CLW2-MP-0.7X-145	No	No	0.7	145±2	11.0(2/3")	16.8	2.7	<0.1	<0.1	0.0207	110.4	C Mount
CLW2-MP-0.7X-145(IA)	Yes	No	0.7	145±2	11.0(2/3")	16.8	2.7	<0.1	<0.1	0.0207	110.4	C Mount
CLW2-MP-0.7X-145D	No	Yes	0.7	145±2	11.0(2/3")	16.8	2.7	<0.1	<0.1	0.0207	114.7	C Mount
CLW2-MP-0.7X-145D(IA)	Yes	Yes	0.7	145±2	11.0(2/3")	16.8	2.7	<0.1	<0.1	0.0207	114.7	C Mount

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

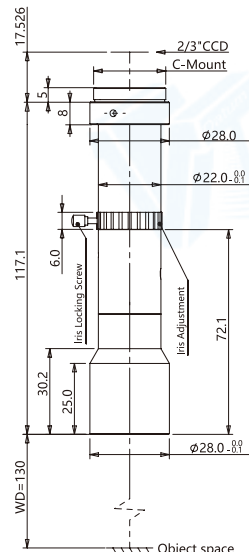
2. Warm tips: The above DOF is just theoretical value at the ideal aperture (eg. ±763@F11). Actual DOF or the DOF what you need, please check with our sales engineer before order cfm.

CLW2-MP-0.8X-130

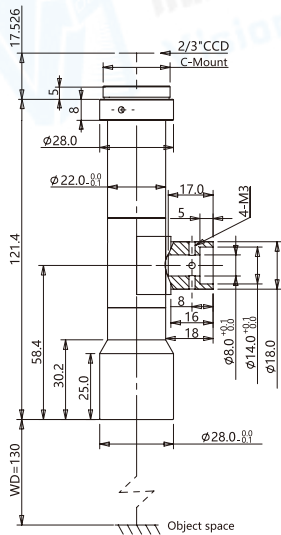


Mag.(x)	0.8
WD(mm)	130±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	12.6
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	65
NA	0.0316
Resolution(μm)	10.6
DoF(mm)	1.6
Length(mm)	117.1
Mount	C-Mount
Coaxial Light	No
Variable Iris	No
Field of View(mm x mm)	
1/2" (6.4x4.8)	8.0x6.0
1/1.8" (7.13x5.37)	8.9x6.7
2/3" (8.8x6.6)	11.0x8.3

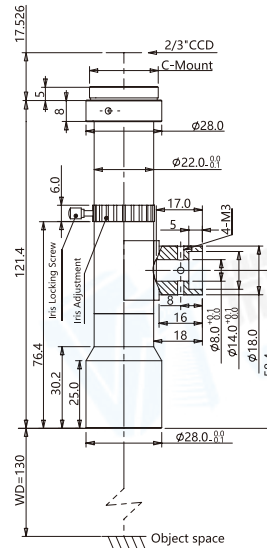
CLW2-MP-0.8X-130(IA)



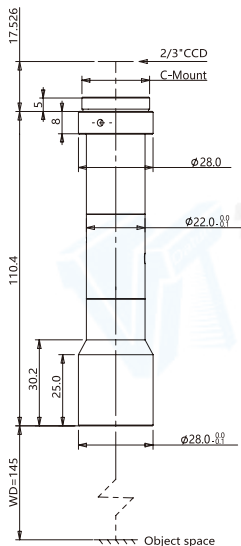
Mag.(x)	0.8
WD(mm)	130±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	12.6
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	65
NA	0.0316
Resolution(μm)	10.6
DoF(mm)	1.6
Length(mm)	117.1
Mount	C-Mount
Coaxial Light	No
Variable Iris	Yes
Field of View(mm x mm)	
1/2" (6.4x4.8)	8.0x6.0
1/1.8" (7.13x5.37)	8.9x6.7
2/3" (8.8x6.6)	11.0x8.3

CLW2-MP-0.8X-130D

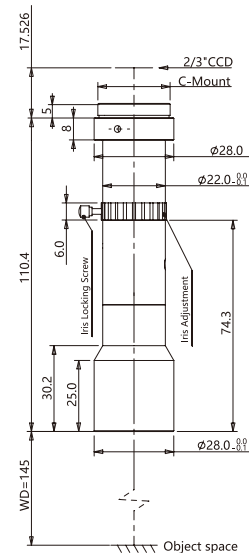
Mag.(x)	0.8
WD(mm)	130±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	12.6
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	65
NA	0.0316
Resolution(μm)	10.6
DoF(mm)	1.6
Length(mm)	121.4
Mount	C-Mount
Coaxial Light	Yes
Variable Iris	No
Field of View(mm x mm)	
1/2" (6.4x4.8)	8.0x6.0
1/1.8" (7.13x5.37)	8.9x6.7
2/3" (8.8x6.6)	11.0x8.3

CLW2-MP-0.8X-130D(IA)

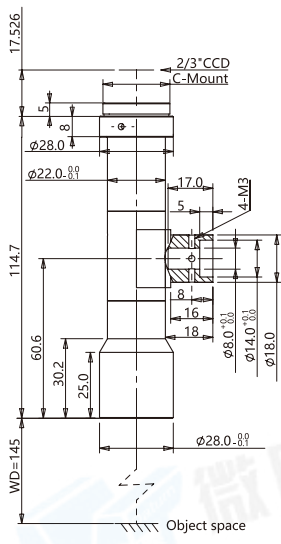
Mag.(x)	0.8
WD(mm)	130±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	12.6
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	65
NA	0.0316
Resolution(μm)	10.6
DoF(mm)	1.6
Length(mm)	121.4
Mount	C-Mount
Coaxial Light	Yes
Variable Iris	Yes
Field of View(mm x mm)	
1/2" (6.4x4.8)	8.0x6.0
1/1.8" (7.13x5.37)	8.9x6.7
2/3" (8.8x6.6)	11.0x8.3

CLW2-MP-0.7X-145

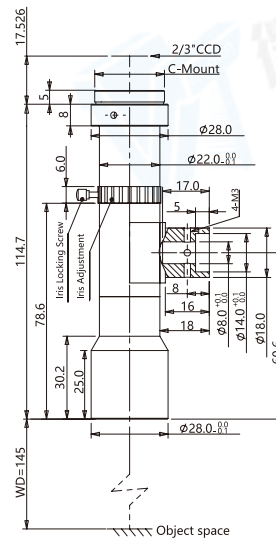
Mag.(x)	0.7
WD(mm)	145±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	16.8
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	55
NA	0.0207
Resolution(μm)	16.2
DoF(mm)	2.7
Length(mm)	110.4
Mount	C-Mount
Coaxial Light	No
Variable Iris	No
Field of View(mm x mm)	
1/2" (6.4x4.8)	9.1x6.9
1/1.8" (7.13x5.37)	10.2x7.7
2/3" (8.8x6.6)	12.6x9.4

CLW2-MP-0.7X-145(IA)

Mag.(x)	0.7
WD(mm)	145±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	16.8
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	55
NA	0.0207
Resolution(μm)	16.2
DoF(mm)	2.7
Length(mm)	110.4
Mount	C-Mount
Coaxial Light	No
Variable Iris	Yes
Field of View(mm x mm)	
1/2" (6.4x4.8)	9.1x6.9
1/1.8" (7.13x5.37)	10.2x7.7
2/3" (8.8x6.6)	12.6x9.4

CLW2-MP-0.7X-145D

Mag.(x)	0.7
WD(mm)	145±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	16.8
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	55
NA	0.0207
Resolution(μm)	16.2
DoF(mm)	2.7
Length(mm)	114.7
Mount	C-Mount
Coaxial Light	Yes
Variable Iris	No
Field of View(mm x mm)	
1/2" (6.4x4.8)	9.1x6.9
1/1.8" (7.13x5.37)	10.2x7.7
2/3" (8.8x6.6)	12.6x9.4

CLW2-MP-0.7X-145D(IA)

Mag.(x)	0.7
WD(mm)	145±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	16.8
Telecentricity(° max)	<0.1
Distortion(% max)	<0.1
MTF30(lp/mm)	55
NA	0.0207
Resolution(μm)	16.2
DoF(mm)	2.7
Length(mm)	114.7
Mount	C-Mount
Coaxial Light	Yes
Variable Iris	Yes
Field of View(mm x mm)	
1/2" (6.4x4.8)	9.1x6.9
1/1.8" (7.13x5.37)	10.2x7.7
2/3" (8.8x6.6)	12.6x9.4

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