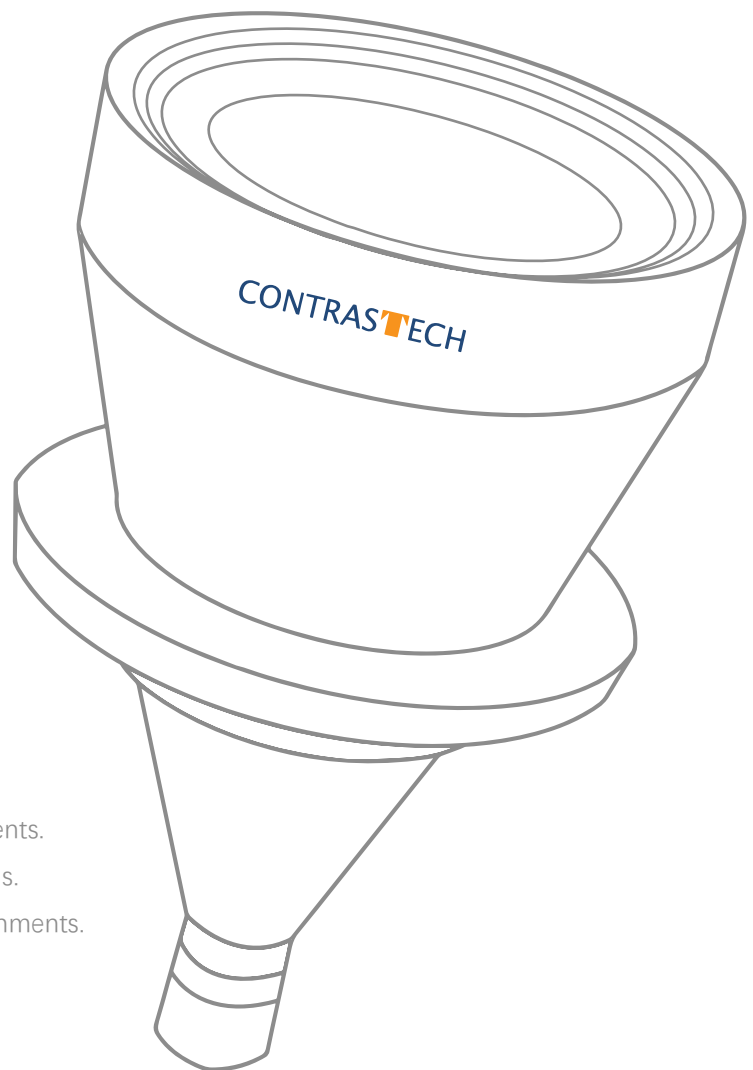


BTLM SERIES



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 Vision Datum Technology 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.

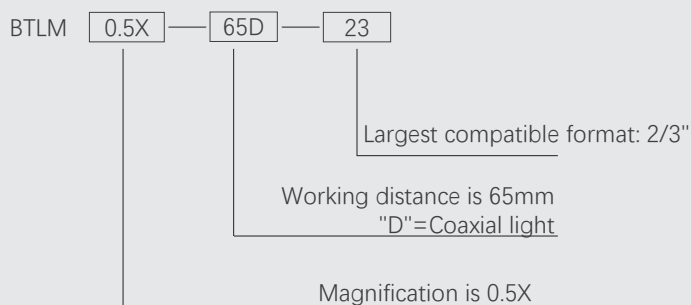
Today, Vision Datum telecentric technology powers leading-edge AI vision systems worldwide, enabling high-precision inspection, intelligent recognition, and reliable data acquisition. By combining world-class performance with optimized cost control, we help customers cut costs by 30–50% while achieving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

BTLM SERIES

NEW

BTLM

NAMING RULES



Variable Iris Bi-telecentric Lenses

BTLM series bitelecentric lens are designed and optimized for high accuracy measurement application. These lenses feature variable iris for Depth of Field and resolution adjustment, big F/# for high pixel camera and one style design which is easy for industrial manufacture.

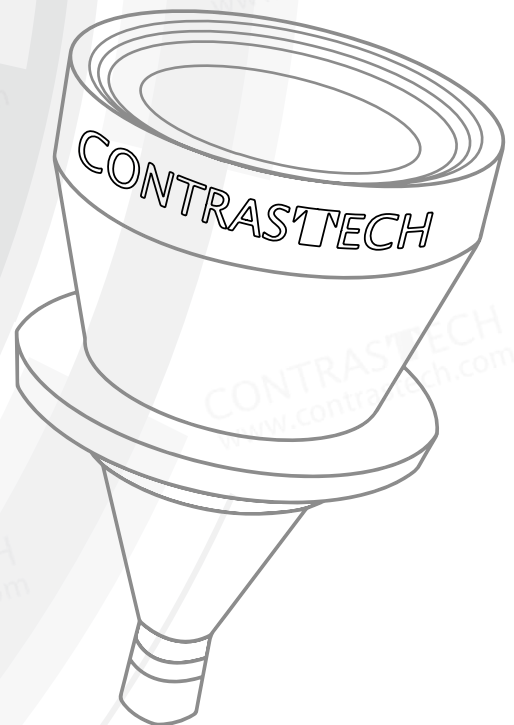
PRODUCT FEATURES

1. Support up to 8M Pixel cameras;
2. Zero perspective error over the entire Field of View;
3. Big depth of field and constant magnification over defined depth of field;
4. Customization available with best performance/cost rate;
5. Equipped with a Manual Iris for adjusting the Depth of Field.

Model No.	Variable Iris	Coaxial	FOV (Φmm)	Mag. (x)	WD (mm)	Max. Sensor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	Length (mm)	Mount
BTLM-0.5X-65-23	No	No	22	0.500	65±1	11.0(2/3")	5.0	>160	±0.8@F5	<0.1	<0.1	106.7	C
BTLM-0.5X-65D-23	No	Yes	22	0.500	65±1	11.0(2/3")	5.0	>160	±0.8@F5	<0.1	<0.1	106.7	C
BTLM-0.4X-85-23	No	No	27.5	0.400	85±2	11.0(2/3")	4.5	>205	±1.1@F4.5	<0.03	<0.1	142.4	C
BTLM-0.4X-85D-23	No	Yes	27.5	0.400	85±2	11.0(2/3")	4.5	>205	±1.1@F4.5	<0.03	<0.1	142.4	C
BTLM-0.166X-173-23(IA)	Yes	No	66	0.166	173±3	11.0(2/3")	3.3	>260	±4.8@F3.3	<0.1	<0.1	146.5	C
BTLM-0.075X-220-H1	No	No	215	0.075	220±3	16.0(1")	4.35	>195	±30.9@F4.35	<0.05	<0.1	322.2	C
BTLM-4.0X-60-H1.2	No	No	5	4.000	60±1	20(1.2")	9.9	95	±0.02@F9.9	<0.05	<0.12	195.6	C
BTLM-4.0X-60D-H1.2(IA)	Yes	Yes	5	4.000	60±1	20(1.2")	9.9-31	95-31	0.05-0.16	<0.05	<0.2	195.6	C
BTLM-4.0X-60D-H1.2	No	Yes	5	4.000	60±1	20(1.2")	9.9-32	95-31	0.05-0.16	0.05	<0.2	195.6	C
BTLM-3.025X-61-H1.2	No	No	6.6	3.025	61±1	20(1.2")	9.4	>96	±0.05@F6.6	0.06	0.005	206.2	C
BTLM-3.025X-61D-H1.2	No	Built-in	6.6	3.025	61±1	20(1.2")	9.4	>96	±0.05@F6.6	0.06	0.005	206.2	C
BTLM-2.74X-64-H1.2	No	No	7.3	2.74	64±1	20(1.2")	8.5	>105	±0.05@F7.3	0.02	0.03	188.3	C
BTLM-2.74X-64D-H1.2	No	Built-in	7.3	2.74	64±1	20(1.2")	8.5	>105	±0.05@F7.3	0.02	0.03	188.3	C
BTLM-2.0X-63-H1.2	No	No	10	2.000	63±1	20(1.2")	6.6	>142	±0.07@F6.6	<0.2	<0.1	179.0	C
BTLM-2.0X-63D-H1.2	No	Built-in	10	2.000	63±1	20(1.2")	6.6	>142	±0.07@F6.6	<0.2	<0.1	179.0	C
BTLM-1.5X-65-H1.2(IA)	Yes	No	13.3	1.5	65	20(1.2")	5.6-32	167-32.5	0.2-1.14	0.05	0.1	150.5	C
BTLM-1.5X-65D-H1.2(IA)-A	Yes	Yes	13.3	1.5	65	20(1.2")	5.6-32	167-32.5	0.2-1.14	0.05	0.1	150.5	C
BTLM-1.5X-65D-H1.2(IA)-B	Yes	Yes	13.3	1.5	65	20(1.2")	5.6-32	167-32.5	0.2-1.14	0.05	0.1	150.5	C
BTLM-1.35X-67-H1.2(IA)	Yes	No	14.8	1.35	67	20(1.2")	5.4-32	171-32.5	0.2-1.41	0.04	0.09	150.8	C
BTLM-1.35X-67D-H1.2(IA)-A	Yes	Yes	14.8	1.35	67	20(1.2")	5.4-32	171-32.5	0.2-1.41	0.04	0.09	150.8	C
BTLM-1.35X-67D-H1.2(IA)-B	Yes	Yes	14.8	1.35	67	20(1.2")	5.4-32	171-32.5	0.2-1.41	0.04	0.09	150.8	C
BTLM-1.0X-80-H1.2(IA)	Yes	No	20	1.0	80	20(1.2")	5.3-32	171-32.5	0.4-2.56	0.045	0.1	149.6	C
BTLM-1.0X-80D-H1.2(IA)-A	Yes	Yes	20	1.0	80	20(1.2")	5.3-32	171-32.5	0.4-2.56	0.045	0.1	149.6	C
BTLM-1.0X-80D-H1.2(IA)-B	Yes	Yes	20	1.0	80	20(1.2")	5.3-32	171-32.5	0.4-2.56	0.045	0.1	149.6	C
BTLM-0.9X-90-H1.2(IA)	Yes	No	22.2	0.9	90	20(1.2")	5-32	176-32.5	0.5-3.16	0.043	0.1	138.2	C
BTLM-0.9X-90D-H1.2(IA)-A	Yes	Yes	22.2	0.9	90	20(1.2")	5-32	176-32.5	0.5-3.16	0.043	0.1	138.2	C
BTLM-0.9X-90D-H1.2(IA)-B	Yes	Yes	22.2	0.9	90	20(1.2")	5-32	176-32.5	0.5-3.16	0.043	0.1	138.2	C
BTLM-7.5X-49-Q667(IA)	Yes	No	8.9	7.5	49	66.7(150M)	7.5	49	0.026-0.05	0.04	0.09	386.6	M72
BTLM-7.5X-49D-Q667(IA)	Yes	Yes	8.9	7.5	49	66.7(150M)	7.5	49	0.026-0.05	0.04	0.09	386.6	M72

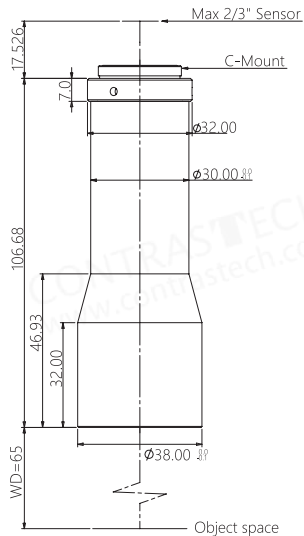
Warm tips: The above DOF is just theoretical value at the ideal aperture (eg. ±763@F11). Actual DOF or the DOF what you need, please check with our sales engineer before order cfm.

LENS PARAMETER DIAGRAM



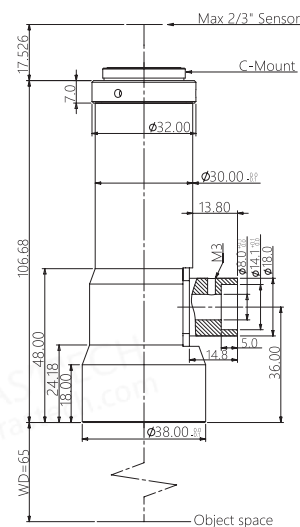
BTLM Series Variable Iris Bi-telecentric Lenses

BTLM-0.5X-65-23



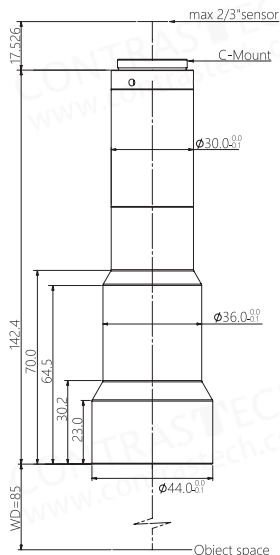
FOV(Φmm)	22
Mag.(x)	0.500
WD(mm)	65±1
Max Sensor Size(Φmm)	11.0(2/3")
F/#	5.0
MTF30(lp/mm)	>160
DoF(mm)	±0.8@F5
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
NA	0.05
Length(mm)	106.7
Mount	C Mount
Variable Iris	No
Coaxial Light	No
Field of View(mm x mm)	
1/1.8" EV76C570(7.2x5.4)	14.4x10.8
1/1.7" IMX226(7.5x5.6)	15.0x11.2
2/3" IMX250/264(8.45x7.1)	16.9x14.2

BTLM-0.5X-65D-23



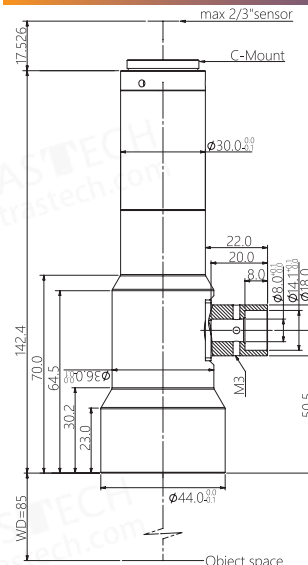
FOV(Φmm)	22
Mag.(x)	0.500
WD(mm)	65±1
Max Sensor Size(Φmm)	11.0(2/3")
F/#	5.0
MTF30(lp/mm)	>160
DoF(mm)	±0.8@F5
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
NA	0.05
Length(mm)	106.7
Mount	C Mount
Variable Iris	No
Coaxial Light	Yes
Field of View(mm x mm)	
1/1.8" EV76C570(7.2x5.4)	14.4x10.8
1/1.7" IMX226(7.5x5.6)	15.0x11.2
2/3" IMX250/264(8.45x7.1)	16.9x14.2

BTLM-0.4X-85-23



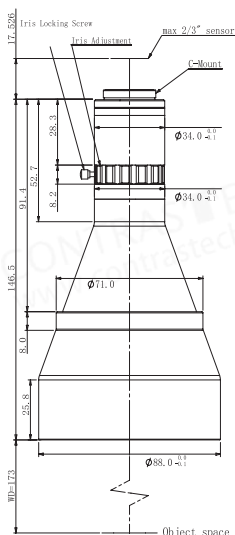
FOV(Φmm)	27.5
Mag.(x)	0.400
WD(mm)	85±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	4.5
MTF30(lp/mm)	>205
DoF(mm)	±1.1@F4.5
Distortion(% max)	<0.03
Telecentricity(° max)	<0.1
NA	0.04439
Length(mm)	142.4
Mount	C Mount
Variable Iris	No
Coaxial Light	No
Field of View(mm x mm)	
1/1.8" EV76C570(7.2x5.4)	18.0x13.5
1/1.7" IMX226(7.5x5.6)	18.8x14.0
2/3" IMX250/264(8.45x7.1)	21.1x17.8

BTLM-0.4X-85D-23



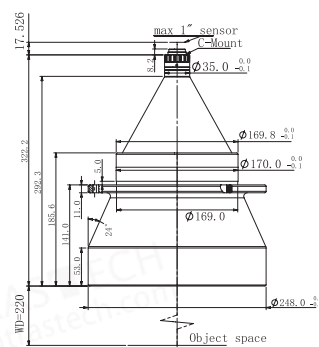
FOV(Φmm)	27.5
Mag.(x)	0.400
WD(mm)	85±2
Max Sensor Size(Φmm)	11.0(2/3")
F/#	4.5
MTF30(lp/mm)	>205
DoF(mm)	±1.1@F4.5
Distortion(% max)	<0.03
Telecentricity(° max)	<0.1
NA	0.04439
Length(mm)	142.4
Mount	C Mount
Variable Iris	No
Coaxial Light	Yes
Field of View(mm x mm)	
1/1.8" EV76C570(7.2x5.4)	18.0x13.5
1/1.7" IMX226(7.5x5.6)	18.8x14.0
2/3" IMX250/264(8.45x7.1)	21.1x17.8

BTLM-0.166X-173-23(IA)



FOV(Φmm)	66
Mag.(x)	0.166
WD(mm)	173±3
Max Sensor Size(Φmm)	11.0(2/3")
F/#	3.3
MTF30(lp/mm)	>260
DoF(mm)	±4.8@F3.3
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
NA	0.025
Length(mm)	146.5
Mount	C Mount
Variable Iris	Yes
Coaxial Light	No
Field of View(mm x mm)	
1/1.8" EV76C570(7.2x5.4)	43.4x32.5
1/1.7" IMX226(7.5x5.6)	45.2x33.7
2/3" IMX250/264(8.45x7.1)	50.9x42.8

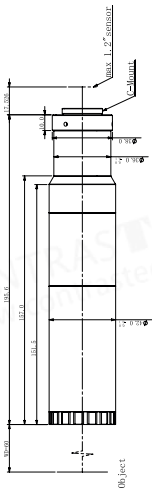
BTLM-0.075X-220-H1



FOV(Φmm)	215
Mag.(x)	0.075
WD(mm)	220±3
Max Sensor Size(Φmm)	16.0(1")
F/#	4.35
MTF30(lp/mm)	>195
DoF(mm)	±30.9@F4.35
Distortion(% max)	<0.05
Telecentricity(° max)	<0.1
NA	0.00857
Length(mm)	322.2
Mount	C
Variable Iris	No
Coaxial Light	No
Field of View(mm x mm)	
1" PYTHON 5000(12.43x9.83)	165.7x131.1
1" IMX255(14.19x7.51)	189.2x100.1
1" IMX183(13.13x8.76)	175.1x116.8

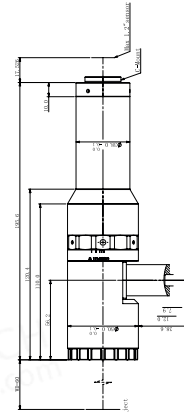
BTLM Series Variable Iris Bi-telecentric Lenses

BTLM-4.0X-60-H1.2



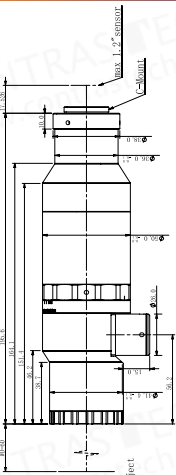
FOV(Φmm)	5
Mag.(x)	4.000
WD(mm)	60±1
Max Sensor Size(Φmm)	20(1.2")
F/#	9.9
MTF30(lp/mm)	95
DoF(mm)	±0.02@F9.9
Distortion(% max)	<0.05
Telecentricity(° max)	<0.12
NA	0.2
Length(mm)	195.6
Mount	C
Variable Iris	No
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540 (14.6X12.6)	3.65x3.15

BTLM-4.0X-60D-H1.2(IA)



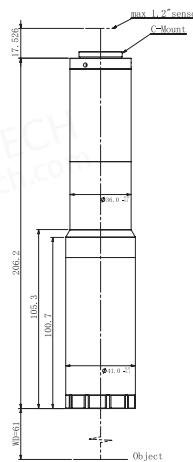
FOV(Φmm)	5
Mag.(x)	4.000
WD(mm)	60±1
Max Sensor Size(Φmm)	20(1.2")
F/#	9.9-31
MTF30(lp/mm)	95-31
DoF(mm)	0.05-0.16
Distortion(% max)	<0.05
Telecentricity(° max)	<0.2
NA	0.2-0.06232
Length(mm)	195.6
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540 (14.6X12.6)	3.65x3.15

BTLM-4.0X-60D-H1.2



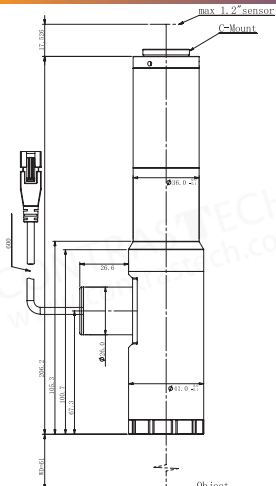
FOV(Φmm)	5
Mag.(x)	4.000
WD(mm)	60±1
Max Sensor Size(Φmm)	20(1.2")
F/#	9.9-32
MTF30(lp/mm)	95-31
DoF(mm)	0.05-0.16
Distortion(% max)	0.05
Telecentricity(° max)	<0.2
NA	0.2-0.06232
Length(mm)	195.6
Mount	C
Variable Iris	No
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540 (14.6X12.6)	3.65x3.15

BTLM-3.025X-61-H1.2



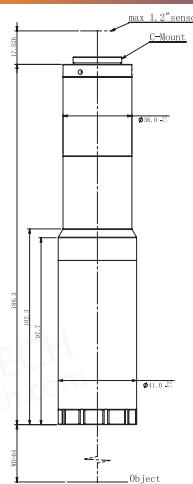
FOV(Φmm)	6.6
Mag.(x)	3.025
WD(mm)	61±1
Max Sensor Size(Φmm)	20(1.2")
F/#	9.4
MTF30(lp/mm)	>96
DoF(mm)	±0.05@F6.6
Distortion(% max)	0.06
Telecentricity(° max)	0.005
NA	0.16
Length(mm)	206.2
Mount	C
Variable Iris	No
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540 (14.6X12.6)	4.8x4.2

BTLM-3.025X-61D-H1.2



FOV(Φmm)	6.6
Mag.(x)	3.025
WD(mm)	61±1
Max Sensor Size(Φmm)	20(1.2")
F/#	9.4
MTF30(lp/mm)	>96
DoF(mm)	±0.05@F6.6
Distortion(% max)	0.06
Telecentricity(° max)	0.005
NA	0.16
Length(mm)	206.2
Mount	C
Variable Iris	No
Coaxial Light	Built-in
Field of View(mm xmm)	
1.2" IMX530/540 (14.6X12.6)	4.8x4.2

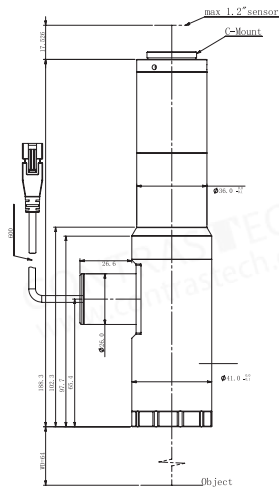
BTLM-2.74X-64-H1.2



FOV(Φmm)	7.3
Mag.(x)	2.74
WD(mm)	64±1
Max Sensor Size(Φmm)	20(1.2")
F/#	8.5
MTF30(lp/mm)	>105
DoF(mm)	±0.05@F7.3
Distortion(% max)	0.02
Telecentricity(° max)	0.03
NA	0.16
Length(mm)	188.3
Mount	C
Variable Iris	No
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540 (14.6X12.6)	5.3x4.6

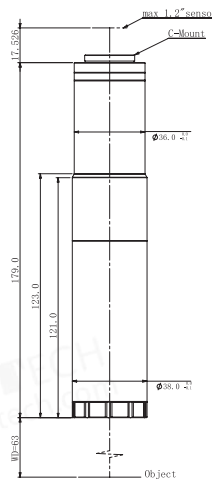
BTLM Series Variable Iris Bi-telecentric Lenses

BTLM-2.74X-64D-H1.2



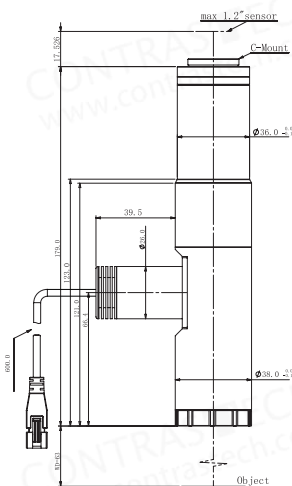
FOV(Φmm)	7.3
Mag.(x)	2.74
WD(mm)	64±1
Max Sensor Size(Φmm)	20(1.2")
F/#	8.5
MTF30(lp/mm)	>105
DoF(mm)	±0.05@F7.3
Distortion(% max)	0.02
Telecentricity(° max)	0.03
NA	0.16
Length(mm)	188.3
Mount	C
Variable Iris	No
Coaxial Light	Built-in
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	5.3x4.6

BTLM-2.0X-63-H1.2



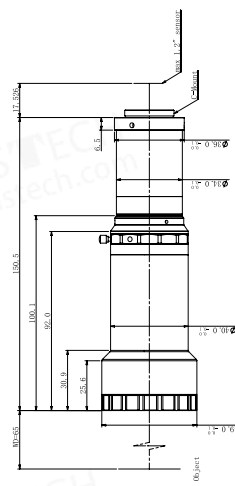
FOV(Φmm)	10
Mag.(x)	2.000
WD(mm)	63±1
Max Sensor Size(Φmm)	20(1.2")
F/#	6.6
MTF30(lp/mm)	>142
DoF(mm)	±0.07@F6.6
Distortion(% max)	<0.2
Telecentricity(° max)	<0.1
NA	0.15
Length(mm)	179.0
Mount	C
Variable Iris	No
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	7.3x6.3

BTLM-2.0X-63D-H1.2



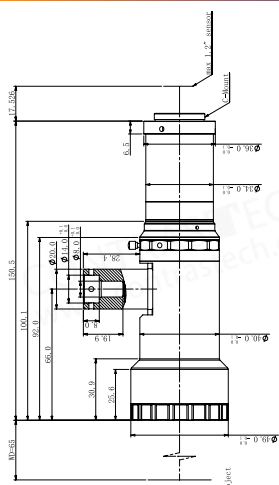
FOV(Φmm)	10
Mag.(x)	2.000
WD(mm)	63±1
Max Sensor Size(Φmm)	20(1.2")
F/#	6.6
MTF30(lp/mm)	>142
DoF(mm)	±0.07@F6.6
Distortion(% max)	<0.2
Telecentricity(° max)	<0.1
NA	0.15
Length(mm)	179.0
Mount	C
Variable Iris	No
Coaxial Light	Built-in
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	7.3x6.3

BTLM-1.5X-65-H1.2(IA)



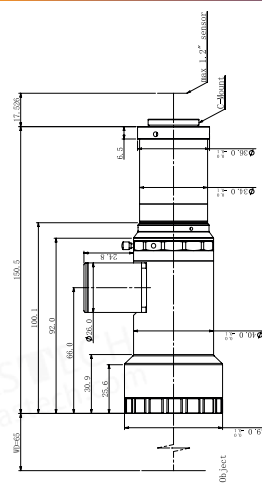
FOV(Φmm)	13.3
Mag.(x)	1.5
WD(mm)	65
Max Sensor Size(Φmm)	20(1.2")
F/#	5.6-32
MTF30(lp/mm)	167-32.5
DoF(mm)	0.2-1.14
Distortion(% max)	0.05
Telecentricity(° max)	0.1
NA	0.133-0.0234
Length(mm)	150.5
Mount	C
Variable Iris	Yes
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	9.7x8.4

BTLM-1.5X-65D-H1.2(IA)-A



FOV(Φmm)	13.3
Mag.(x)	1.5
WD(mm)	65
Max Sensor Size(Φmm)	20(1.2")
F/#	5.6-32
MTF30(lp/mm)	167-32.5
DoF(mm)	0.2-1.14
Distortion(% max)	0.05
Telecentricity(° max)	0.1
NA	0.133-0.0234
Length(mm)	150.5
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	9.7x8.4

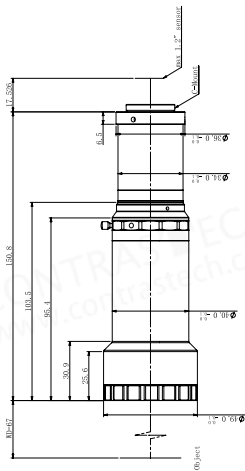
BTLM-1.5X-65D-H1.2(IA)-B



FOV(Φmm)	13.3
Mag.(x)	1.5
WD(mm)	65
Max Sensor Size(Φmm)	20(1.2")
F/#	5.6-32
MTF30(lp/mm)	167-32.5
DoF(mm)	0.2-1.14
Distortion(% max)	0.05
Telecentricity(° max)	0.1
NA	0.133-0.0234
Length(mm)	150.5
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	9.7x8.4

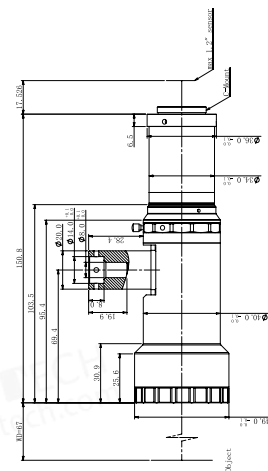
BTLM Series Variable Iris Bi-telecentric Lenses

BTLM-1.35X-67-H1.2(IA)



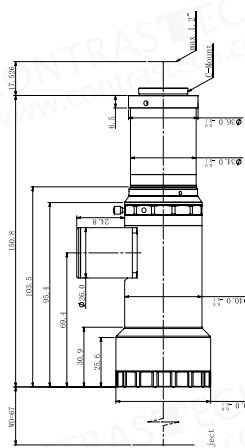
FOV(Φmm)	14.8
Mag.(x)	1.35
WD(mm)	67
Max Sensor Size(Φmm)	20(1.2")
F/#	5.4-32
MTF30(lp/mm)	171-32.5
DoF(mm)	0.2-1.41
Distortion(% max)	0.04
Telecentricity(° max)	0.09
NA	0.125-0.021
Length(mm)	150.8
Mount	C
Variable Iris	Yes
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	10.4x9

BTLM-1.35X-67D-H1.2(IA)-A



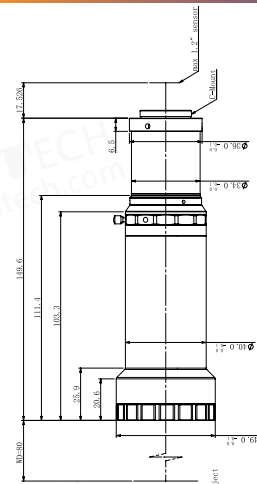
FOV(Φmm)	14.8
Mag.(x)	1.35
WD(mm)	67
Max Sensor Size(Φmm)	20(1.2")
F/#	5.4-32
MTF30(lp/mm)	171-32.5
DoF(mm)	0.2-1.41
Distortion(% max)	0.04
Telecentricity(° max)	0.09
NA	0.125-0.021
Length(mm)	150.8
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	10.4x9

BTLM-1.35X-67D-H1.2(IA)-B



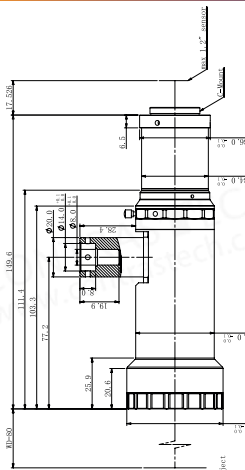
FOV(Φmm)	14.8
Mag.(x)	1.35
WD(mm)	67
Max Sensor Size(Φmm)	20(1.2")
F/#	5.4-32
MTF30(lp/mm)	171-32.5
DoF(mm)	0.2-1.41
Distortion(% max)	0.04
Telecentricity(° max)	0.09
NA	0.125-0.021
Length(mm)	150.8
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	10.4x9

BTLM-1.0X-80-H1.2(IA)



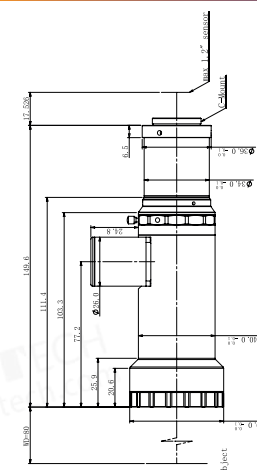
FOV(Φmm)	20
Mag.(x)	1.0
WD(mm)	80
Max Sensor Size(Φmm)	20(1.2")
F/#	5.3-32
MTF30(lp/mm)	171-32.5
DoF(mm)	0.4-2.56
Distortion(% max)	0.045
Telecentricity(° max)	0.1
NA	0.095-0.0156
Length(mm)	149.6
Mount	C
Variable Iris	Yes
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	14.6x12.6

BTLM-1.0X-80D-H1.2(IA)-A



FOV(Φmm)	20
Mag.(x)	1.0
WD(mm)	80
Max Sensor Size(Φmm)	20(1.2")
F/#	5.3-32
MTF30(lp/mm)	171-32.5
DoF(mm)	0.4-2.56
Distortion(% max)	0.045
Telecentricity(° max)	0.1
NA	0.095-0.0156
Length(mm)	149.6
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	14.6x12.6

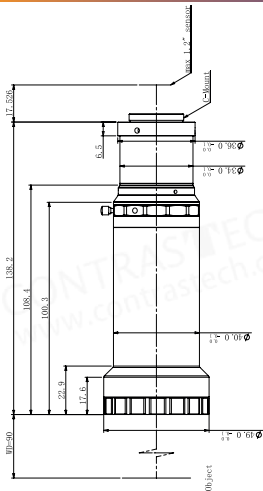
BTLM-1.0X-80D-H1.2(IA)-B



FOV(Φmm)	20
Mag.(x)	1.0
WD(mm)	80
Max Sensor Size(Φmm)	20(1.2")
F/#	5.3-32
MTF30(lp/mm)	171-32.5
DoF(mm)	0.4-2.56
Distortion(% max)	0.045
Telecentricity(° max)	0.1
NA	0.095-0.0156
Length(mm)	149.6
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	14.6x12.6

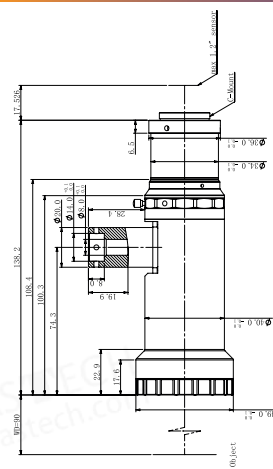
BTLM Series Variable Iris Bi-telecentric Lenses

BTLM-0.9X-90-H1.2(IA)



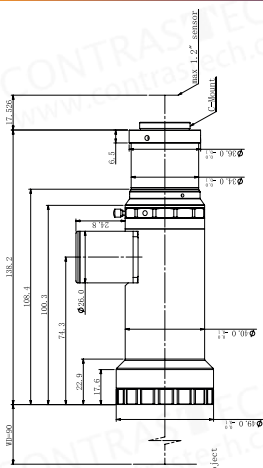
FOV(Φmm)	22.2
Mag.(x)	0.9
WD(mm)	90
Max Sensor Size(Φmm)	20(1.2")
F/#	5-32
MTF30(lp/mm)	176-32.5
DoF(mm)	0.5-3.16
Distortion(% max)	0.043
Telecentricity(° max)	0.1
NA	0.0905-0.0141
Length(mm)	138.2
Mount	C
Variable Iris	Yes
Coaxial Light	No
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	16.2x14

BTLM-0.9X-90D-H1.2(IA)-A



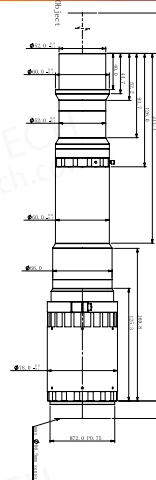
FOV(Φmm)	22.2
Mag.(x)	0.9
WD(mm)	90
Max Sensor Size(Φmm)	20(1.2")
F/#	5-32
MTF30(lp/mm)	176-32.5
DoF(mm)	0.5-3.16
Distortion(% max)	0.043
Telecentricity(° max)	0.1
NA	0.0905-0.0141
Length(mm)	138.2
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	16.2x14

BTLM-0.9X-90D-H1.2(IA)-B



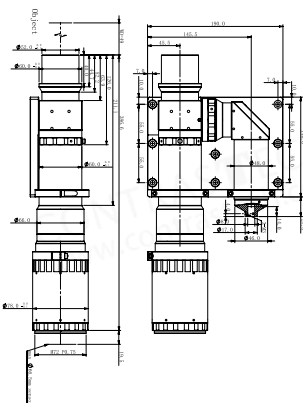
FOV(Φmm)	22.2
Mag.(x)	0.9
WD(mm)	90
Max Sensor Size(Φmm)	20(1.2")
F/#	5-32
MTF30(lp/mm)	176-32.5
DoF(mm)	0.5-3.16
Distortion(% max)	0.043
Telecentricity(° max)	0.1
NA	0.0905-0.0141
Length(mm)	138.2
Mount	C
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
1.2" IMX530/540(14.6X12.6)	16.2x14

BTLM-7.5X-49-Q667(IA)



FOV(Φmm)	8.9
Mag.(x)	7.5
WD(mm)	49
Max Sensor Size(Φmm)	66.7(150M)
F/#	7.5
MTF30(lp/mm)	49
DoF(mm)	0.026-0.05
Distortion(% max)	0.04
Telecentricity(° max)	0.09
NA	0.2-0.1172
Length(mm)	386.6
Mount	M72
Variable Iris	Yes
Coaxial Light	No
Field of View(mm xmm)	
IMX411(5.42x40mm)	7.12x5.3

BTLM-7.5X-49D-Q667(IA)



FOV(Φmm)	8.9
Mag.(x)	7.5
WD(mm)	49
Max Sensor Size(Φmm)	66.7(150M)
F/#	7.5
MTF30(lp/mm)	49
DoF(mm)	0.026-0.05
Distortion(% max)	0.04
Telecentricity(° max)	0.09
NA	0.2-0.1172
Length(mm)	386.6
Mount	M72
Variable Iris	Yes
Coaxial Light	Yes
Field of View(mm xmm)	
IMX411(5.42x40mm)	7.12x5.3

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