

TC118 Series

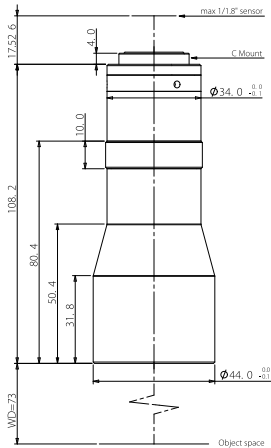
Support 1/1.8"

Cameras



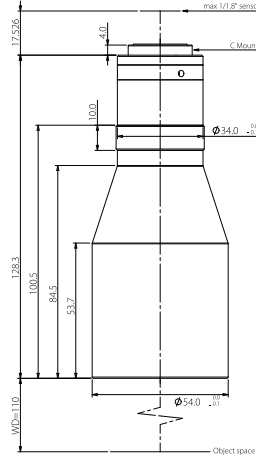
Lens Model	FOV (°mm)	Mag. β(x)	WD (mm)	Sensor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	I/O (mm)	Length (mm)	Mount	Weight (kg)
TC118-26	26	0.346	73±1	9.0(1/1.8")	4.6	>170	±3.7@F11	<0.1	<0.1	199±1	108.2	C	0.3
TC118-36	36	0.250	110±2	9.0(1/1.8")	4.6	>180	±7.0@F11	<0.1	<0.1	256±2	128.3	C	0.4
TC118-42	42	0.214	118±3	9.0(1/1.8")	4.6	>195	±9.6@F11	<0.1	<0.1	249±3	113.8	C	0.4
TC118-48	48	0.188	128±3	9.0(1/1.8")	4.6	>190	±12.4@F11	<0.1	<0.1	273±3	127.3	C	0.4
TC118-56AL	56	0.161	138±3	9.0(1/1.8")	4.6	>190	±17.0@F11	<0.1	<0.1	306±3	149.9	C	0.7
TC118-64HAL	64	0.141	158±3	9.0(1/1.8")	4.6	>195	±22.3@F11	<0.1	<0.1	338±3	162.4	C	0.8
TC118-72AL	72	0.125	178±3	9.0(1/1.8")	4.6	>195	±28.1@F11	<0.1	<0.1	378±3	182.4	C	1.0
TC118-80HAL	80	0.113	228±4	9.0(1/1.8")	4.6	>195	±34.8@F11	<0.1	<0.1	418±4	172.4	C	1.9
TC118-90AL	90	0.100	208±3	9.0(1/1.8")	4.6	>195	±44@F11	<0.1	<0.1	433±3	207.4	C	1.7
TC118-100AL	100	0.090	258±4	9.0(1/1.8")	4.6	>190	±54.3@F11	<0.1	<0.1	506±4	230.8	C	3.0
TC118-110AL	110	0.082	263±4	9.0(1/1.8")	4.6	>200	±65.4@F11	<0.1	<0.1	541±4	260.0	C	2.7
TC118-120AL	120	0.075	280±5	9.0(1/1.8")	4.6	>190	±78.2@F11	<0.1	<0.1	569±5	271.1	C	4.2
TC118-136AL	136	0.066	288±5	9.0(1/1.8")	4.6	>200	±101@F11	<0.1	<0.1	651±5	345	C	-
TC118-150AL	150	0.060	300±5	9.0(1/1.8")	4.6	>195	±122@F11	<0.1	<0.1	632±5	314.4	C	5.7
TC118-170AL	170	0.053	318±5	9.0(1/1.8")	4.6	>200	±157@F11	<0.1	<0.1	712±5	376.3	C	6.5
TC118-190AL	190	0.047	330±5	9.0(1/1.8")	4.6	>195	±199@F11	<0.1	<0.1	751±5	403.6	C	11.0
TC118-216AL	216	0.042	372±5	9.0(1/1.8")	4.6	>200	±249@F11	<0.1	<0.1	889±5	499.1	C	13.7
TC118-240HAL	240	0.038	410±6	9.0(1/1.8")	4.6	>200	±313@F11	<0.1	<0.1	972±6	544.9	C	19.3
TC118-268AL	268	0.034	438±6	9.0(1/1.8")	4.6	>200	±381@F11	<0.1	<0.1	1088±6	632.4	C	-
TC118-300AL	300	0.030	465±6	9.0(1/1.8")	4.6	>190	±488@F11	<0.1	<0.1	1106±6	623.4	C	46.5

TC118-26



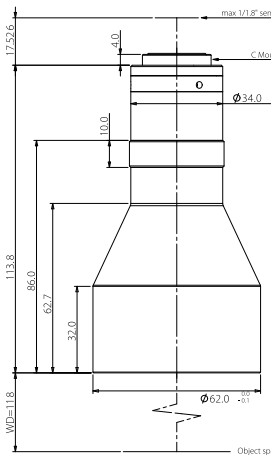
FOV(Φmm)	26
Mag.(x)	0.346
WD(mm)	73±1
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>170
DOF(mm)	±3.7@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	199±1
Length(mm)	108.2
Mount	C-Mount
Weight(kg)	0.3
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 20.7x15.7
1/1.8" EV76C570	7.2x5.4 20.8x15.6

TC118-36



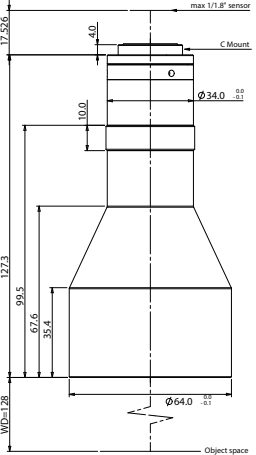
FOV(Φmm)	36
Mag.(x)	0.250
WD(mm)	110±2
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>180
DOF(mm)	±7.0@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	256±2
Length(mm)	128.3
Mount	C-Mount
Weight(kg)	0.4
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 28.6x21.8
1/1.8" EV76C570	7.2x5.4 28.8x21.6

TC118-42



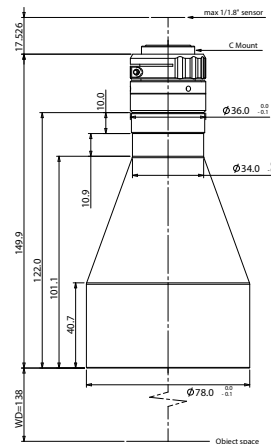
FOV(Φmm)	42
Mag.(x)	0.214
WD(mm)	118±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
DOF(mm)	±9.6@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	249±3
Length(mm)	113.8
Mount	C-Mount
Weight(kg)	0.4
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 33.5x25.4
1/1.8" EV76C570	7.2x5.4 33.6x25.2

TC118-48



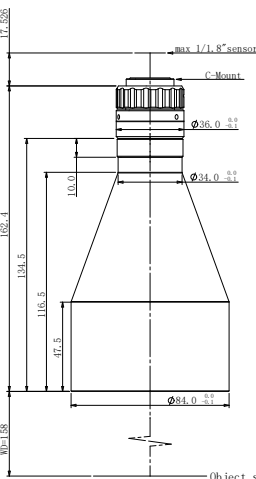
FOV(Φmm)	48
Mag.(x)	0.188
WD(mm)	128±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>190
DOF(mm)	±12.4@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	273±3
Length(mm)	127.3
Mount	C-Mount
Weight(kg)	0.4
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 38.1x28.9
1/1.8" EV76C570	7.2x5.4 38.3x28.7

TC118-56AL



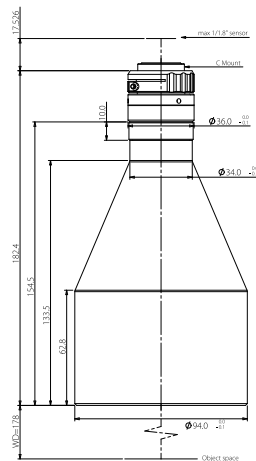
FOV(Φmm)	56
Mag.(x)	0.161
WD(mm)	138±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>190
DOF(mm)	±17.0@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	306±3
Length(mm)	149.9
Mount	C-Mount
Weight(kg)	0.7
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 44.5x33.8
1/1.8" EV76C570	7.2x5.4 44.7x33.5

TC118-64HAL



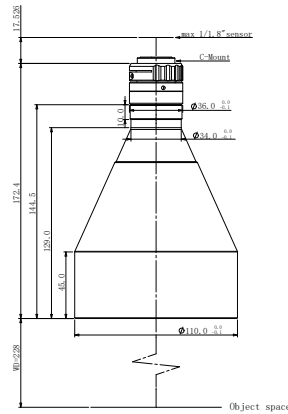
FOV(Φmm)	64
Mag.(x)	0.141
WD(mm)	158±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
DOF(mm)	±22.3@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	338±3
Length(mm)	162.4
Mount	C-Mount
Weight(kg)	0.8
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 50.8x38.6
1/1.8" EV76C570	7.2x5.4 51.1x38.3

TC118-72AL



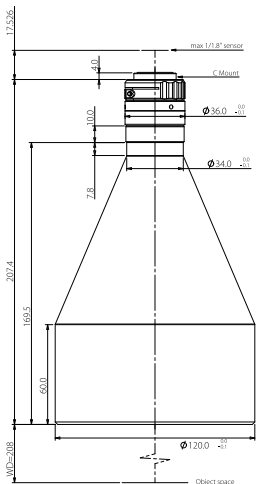
FOV(Φmm)	72
Mag.(x)	0.125
WD(mm)	178±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
DOF(mm)	±28.1@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	378±3
Length(mm)	182.4
Mount	C-Mount
Weight(kg)	1.0
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 57.3x43.5
1/1.8" EV76C570	7.2x5.4 57.6x43.2

TC118-80HAL



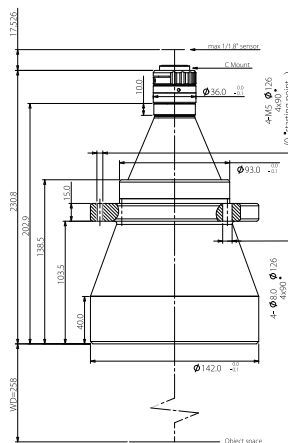
FOV(Φmm)	80
Mag.(x)	0.113
WD(mm)	228±4
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
DOF(mm)	±34.8@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	418±4
Length(mm)	172.4
Mount	C-Mount
Weight(kg)	1.9
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 63.4x48.1
1/1.8" EV76C570	7.2x5.4 63.7x47.8

TC118-90AL



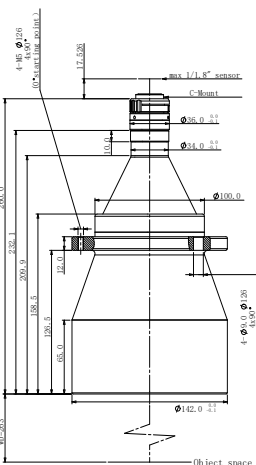
FOV(Φmm)	90
Mag.(x)	0.100
WD(mm)	208±3
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
DOF(mm)	±44@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	433±3
Length(mm)	207.4
Mount	C-Mount
Weight(kg)	1.7
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 71.6x54.4
1/1.8" EV76C570	7.2x5.4 72.0x54.0

TC118-100AL



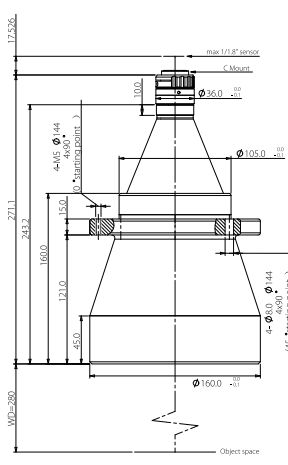
FOV(Φmm)	100
Mag.(x)	0.090
WD(mm)	258±4
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>190
DOF(mm)	±54.3@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	506±4
Length(mm)	230.8
Mount	C-Mount
Weight(kg)	3.0
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 79.6x60.4
1/1.8" EV76C570	7.2x5.4 80.0x60.0

TC118-110AL



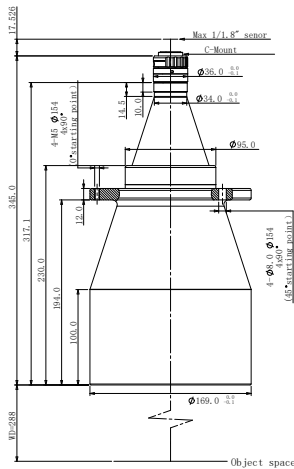
FOV(Φmm)	110
Mag.(x)	0.082
WD(mm)	263±4
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>200
DOF(mm)	±65.4@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	541±4
Length(mm)	260.0
Mount	C-Mount
Weight(kg)	2.7
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 87.3x66.3
1/1.8" EV76C570	7.2x5.4 87.8x65.9

TC118-120AL



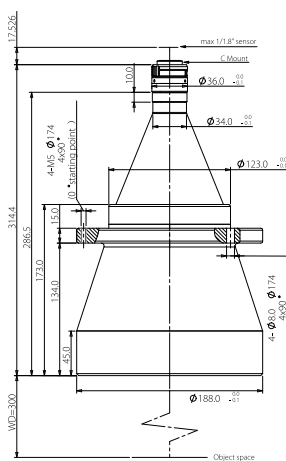
FOV(Φmm)	120
Mag.(x)	0.075
WD(mm)	280±5
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>190
DOF(mm)	±78.2@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	569±5
Length(mm)	271.1
Mount	C-Mount
Weight(kg)	4.2
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 95.5x72.5
1/1.8" EV76C570	7.2x5.4 96.0x72.0

TC118-136AL



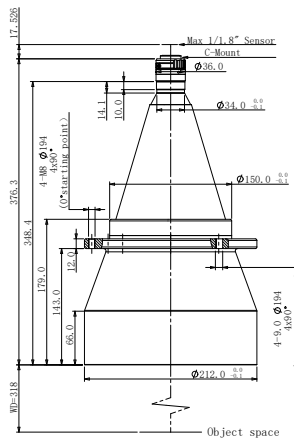
FOV(Φmm)	136
Mag.(x)	0.066
WD(mm)	288±5
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>200
DOF(mm)	±101@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	651±5
Length(mm)	345.0
Mount	C-Mount
Weight(kg)	-
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 108.5x82.4
1/1.8" EV76C570	7.2x5.4 109.1x81.8

TC118-150AL



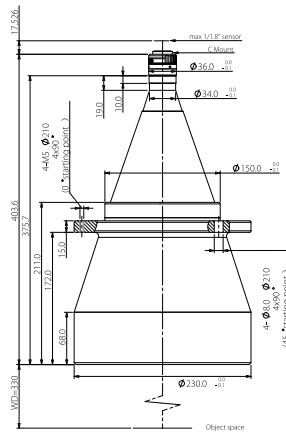
FOV(Φmm)	150
Mag.(x)	0.060
WD(mm)	300±5
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
DOF(mm)	±122@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	632±5
Length(mm)	314.4
Mount	C-Mount
Weight(kg)	5.7
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 119.3x90.7
1/1.8" EV76C570	7.2x5.4 120.0x90.0

TC118-170AL



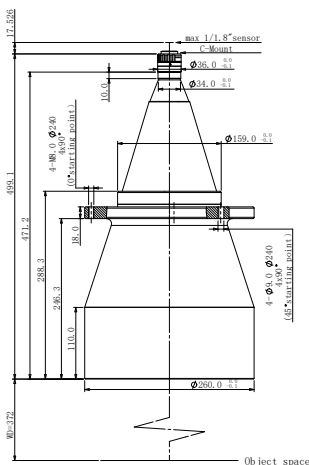
FOV(Φmm)	170
Mag.(x)	0.053
WD(mm)	318±5
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>200
DOF(mm)	±157@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	712±5
Length(mm)	376.3
Mount	C-Mount
Weight(kg)	6.5
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 135.1x102.6
1/1.8" EV76C570	7.2x5.4 135.8x101.9

TC118-190AL

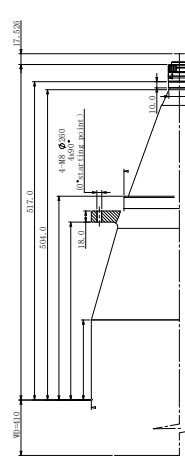


FOV(Φmm)	190
Mag.(x)	0.047
WD(mm)	330±5
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
DOF(mm)	±199@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	751±5
Length(mm)	403.6
Mount	C-Mount
Weight(kg)	11.0
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 152.3x115.7
1/1.8" EV76C570	7.2x5.4 153.2x114.9

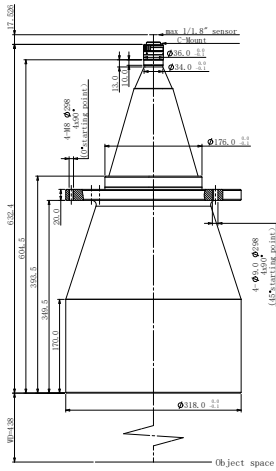
TC118-216AL



FOV(Φmm)	216
Mag.(x)	0.042
WD(mm)	372±5
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>200
DOF(mm)	±249@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	889±5
Length(mm)	499.1
Mount	C-Mount
Weight(kg)	13.7
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 170.5x129.5
1/1.8" EV76C570	7.2x5.4 171.4x128.6

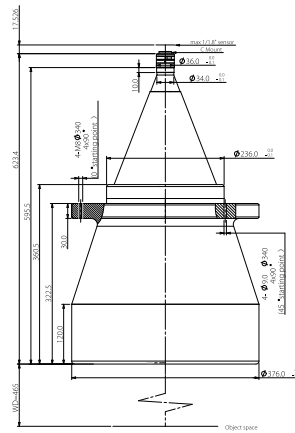


TC118-268AL



FOV(Φmm)	268
Mag.(x)	0.034
WD(mm)	438±6
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>200
DOF(mm)	±381@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1088±6
Length(mm)	632.4
Mount	C-Mount
Weight(kg)	-
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 210.6x160.0
1/1.8" EV76C570	7.2x5.4 211.8x158.8

TC118-300AL



FOV(Φmm)	300
Mag.(x)	0.030
WD(mm)	465±6
Max Sensor Size(Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>190
DOF(mm)	±488@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1106±6
Length(mm)	623.4
Mount	C-Mount
Weight(kg)	46.5
Field of View (mmxmm)	
1/1.8" ICX274/687	7.16x5.44 238.7x181.3
1/1.8" EV76C570	7.2x5.4 240.0x180.0