

# DTCM35F Series

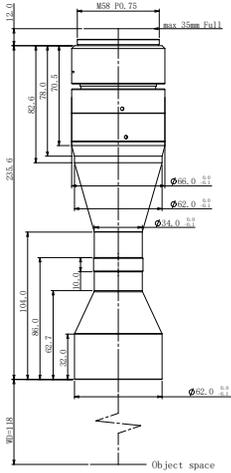
Support 35mm

Full Cameras



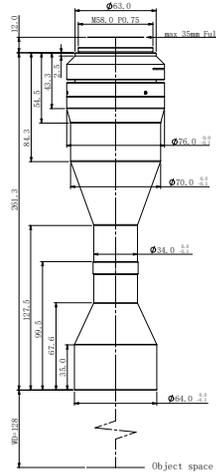
Lens Model	FOV (°mm)	Mag. β(x)	WD (mm)	Sensor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	I/O (mm)	Length (mm)	Mount	Weight (kg)
DTCM35F-42-AL	42	1.048	118±3	44(35mm Full)	17.2	>45	±0.7@F20	<0.1	<0.1	366±3	235.6	M58	1.2
DTCM35F-48-AL	48	0.920	128±3	44(35mm Full)	17.2	>45	±0.9@F20	<0.1	<0.1	401±3	261.3	M58	1.2
DTCM35F-56-AL	56	0.785	138±3	44(35mm Full)	14.8	>55	±1.2@F20	<0.1	<0.1	434±3	283.8	M58	1.5
DTCM35F-64H-AL	64	0.688	158±3	44(35mm Full)	12.9	>60	±1.9@F22	<0.1	<0.1	466±3	296.3	M58	1.6
DTCM35F-72-AL	72	0.611	178±3	44(35mm Full)	12.9	>65	±2.1@F20	<0.1	<0.1	506±3	316.3	M58	1.8
DTCM35F-80H-AL	80	0.550	228±4	44(35mm Full)	10.3	>85	±2.9@F22	<0.1	<0.1	546±4	306.3	M58	2.7
DTCM35F-90-AL	90	0.489	208±3	44(35mm Full)	11.5	>65	±3.3@F20	<0.1	<0.1	561±3	341.3	M58	2.4
DTCM35F-100-AL	100	0.440	258±4	44(35mm Full)	17.2	>45	±4.1@F20	<0.1	<0.1	635±4	364.7	M58	3.8
DTCM35F-110-AL	110	0.396	263±4	44(35mm Full)	9.3	>90	±4.1@F16	<0.1	<0.1	669±6	393.9	M58	3.4
DTCM35F-120-AL	120	0.367	280±5	44(35mm Full)	14.8	>55	±5.9@F20	<0.1	<0.1	697±5	405	M58	5.0
DTCM35F-136-AL	136	0.321	288±5	44(35mm Full)	7.9	>110	±6.2@F16	<0.1	<0.1	779±6	478.9	M58	-
DTCM35F-150-AL	150	0.293	300±5	44(35mm Full)	14.8	>60	±9.3@F20	<0.1	<0.1	760±5	448.3	M58	6.4
DTCM35F-170-AL	170	0.257	318±5	44(35mm Full)	6.0	>130	±6.7@F11	<0.1	<0.1	840±5	510.2	M58	7.3
DTCM35F-190-AL	190	0.230	330±5	44(35mm Full)	10.3	>85	±15.1@F20	<0.1	<0.1	880±5	537.5	M58	11.8
DTCM35F-216-AL	216	0.202	372±5	44(35mm Full)	10.4	>90	±19.6@F20	<0.1	<0.1	1017±5	633.0	M58	14.5
DTCM35F-240H-AL	240	0.182	410±6	44(35mm Full)	6.0	>130	±19.4@F16	<0.1	<0.1	1101±6	678.8	M58	20.0
DTCM35F-268-AL	268	0.163	438±6	44(35mm Full)	6.0	>140	±16.6@F11	<0.1	<0.1	1216±6	766.3	M58	-
DTCM35F-300-AL	300	0.147	465±6	44(35mm Full)	10.3	>85	±37@F20	<0.1	<0.1	1234±6	757.3	M58	47.3

## DTCM35F-42-AL



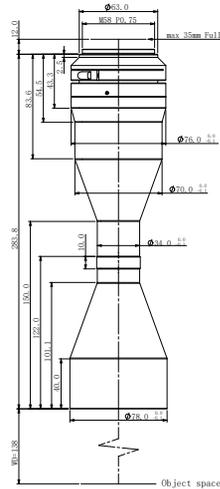
FOV(Φmm)	42
Mag.(x)	1.048
WD(mm)	118±3
Max Sensor Size(Φmm)	44(35mm Full)
F/#	17.2
MTF30(lp/mm)	>45
DOF(mm)	±0.7@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	366±3
Length(mm)	235.6
Mount	M58
Weight(kg)	1.2
Field of View (mmxmm)	
Link-2K	20.48mm 19.5
Link-4K	28.67mm 27.4
Link-8K	40.96mm 39.1
35mm Format	36.0x24.0 34.4x22.9

## DTCM35F-48-AL



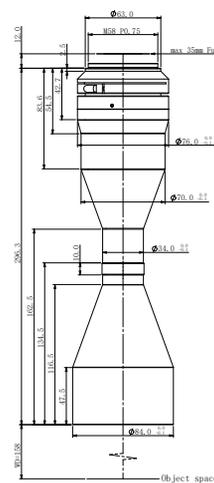
FOV(Φmm)	48
Mag.(x)	0.920
WD(mm)	128±3
Max Sensor Size(Φmm)	44(35mm Full)
F/#	17.2
MTF30(lp/mm)	>45
DOF(mm)	±0.9@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	401±3
Length(mm)	261.3
Mount	M58
Weight(kg)	1.2
Field of View (mmxmm)	
Link-2K	20.48mm 22.3
Link-4K	28.67mm 31.2
Link-8K	40.96mm 44.5
35mm Format	36.0x24.0 39.1x26.1

## DTCM35F-56-AL



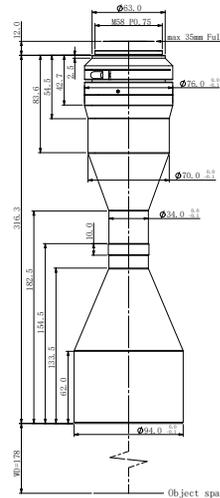
FOV(Φmm)	56
Mag.(x)	0.785
WD(mm)	138±3
Max Sensor Size(Φmm)	44(35mm Full)
F/#	14.8
MTF30(lp/mm)	>55
DOF(mm)	±1.2@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	434±3
Length(mm)	283.8
Mount	M58
Weight(kg)	1.5
Field of View (mmxmm)	
Link-2K	20.48mm 26.1
Link-4K	28.67mm 36.5
Link-8K	40.96mm 52.2
35mm Format	36.0x24.0 45.9x30.6

## DTCM35F-64H-AL



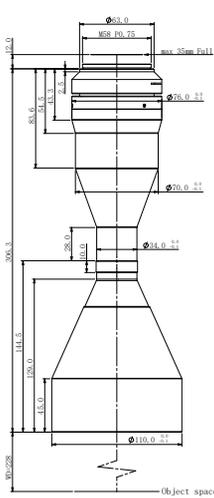
FOV(Φmm)	64
Mag.(x)	0.688
WD(mm)	158±3
Max Sensor Size(Φmm)	44(35mm Full)
F/#	12.9
MTF30(lp/mm)	>60
DOF(mm)	±1.9@F22
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	466±3
Length(mm)	296.3
Mount	M58
Weight(kg)	1.6
Field of View (mmxmm)	
Link-2K	20.48mm 29.8
Link-4K	28.67mm 41.7
Link-8K	40.96mm 59.5
35mm Format	36.0x24.0 52.3x34.9

## DTCM35F-72-AL



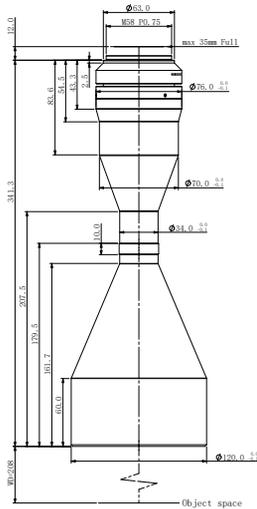
FOV(Φmm)	72
Mag.(x)	0.611
WD(mm)	178±3
Max Sensor Size(Φmm)	44(35mm Full)
F/#	12.9
MTF30(lp/mm)	>65
DOF(mm)	±2.1@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	506±3
Length(mm)	316.3
Mount	M58
Weight(kg)	1.8
Field of View (mmxmm)	
Link-2K	20.48mm 33.5
Link-4K	28.67mm 46.9
Link-8K	40.96mm 67.0
35mm Format	36.0x24.0 58.9x39.3

## DTCM35F-80H-AL



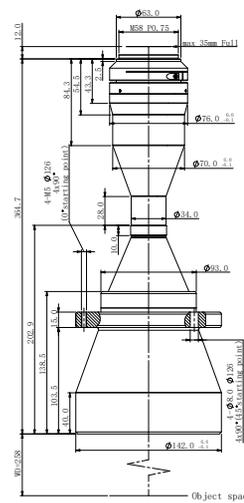
FOV(Φmm)	80
Mag.(x)	0.550
WD(mm)	228±4
Max Sensor Size(Φmm)	44(35mm Full)
F/#	10.3
MTF30(lp/mm)	>85
DOF(mm)	±2.9@F22
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	546±4
Length(mm)	306.3
Mount	M58
Weight(kg)	2.7
Field of View (mmxmm)	
Link-2K	20.48mm 37.2
Link-4K	28.67mm 52.1
Link-8K	40.96mm 74.5
35mm Format	36.0x24.0 65.5x43.6

## DTCM35F-90-AL



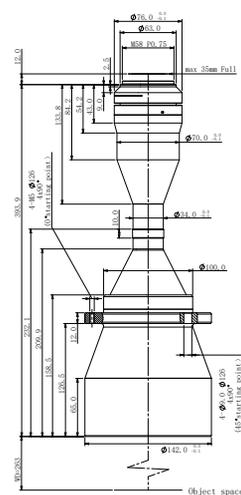
FOV(Φmm)	90
Mag.(x)	0.489
WD(mm)	208±3
Max Sensor Size(Φmm)	44(35mm Full)
F/#	11.5
MTF30(lp/mm)	>65
DOF(mm)	±3.3@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	561±3
Length(mm)	341.3
Mount	M58
Weight(kg)	2.4
Field of View (mmxmm)	
Link-2K	20.48mm 41.9
Link-4K	28.67mm 58.6
Link-8K	40.96mm 83.8
35mm Format	36.0x24.0 73.6x49.1

## DTCM35F-100-AL



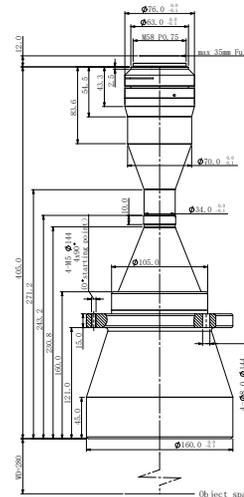
FOV(Φmm)	100
Mag.(x)	0.440
WD(mm)	258±4
Max Sensor Size(Φmm)	44(35mm Full)
F/#	17.2
MTF30(lp/mm)	>45
DOF(mm)	±4.1@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	635±4
Length(mm)	364.7
Mount	M58
Weight(kg)	3.8
Field of View (mmxmm)	
Link-2K	20.48mm 46.5
Link-4K	28.67mm 65.2
Link-8K	40.96mm 93.1
35mm Format	36.0x24.0 81.8x54.5

## DTCM35F-110-AL



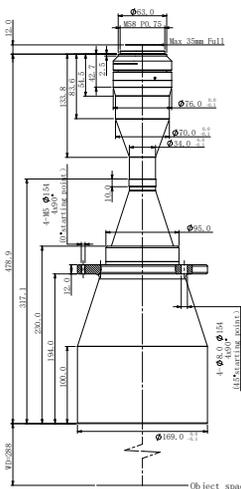
FOV(Φmm)	110
Mag.(x)	0.396
WD(mm)	263±4
Max Sensor Size(Φmm)	44(35mm Full)
F/#	9.3
MTF30(lp/mm)	>90
DOF(mm)	±4.1@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	669±6
Length(mm)	393.9
Mount	M58
Weight(kg)	3.4
Field of View (mmxmm)	
Link-2K	20.48mm 51.7
Link-4K	28.67mm 72.4
Link-8K	40.96mm 103.4
35mm Format	36.0x24.0 90.9x60.6

## DTCM35F-120-AL



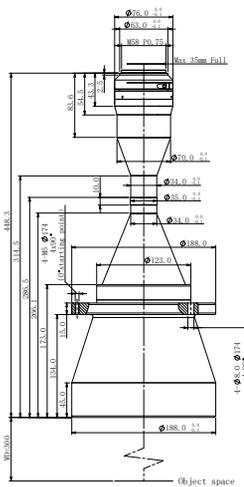
FOV(Φmm)	120
Mag.(x)	0.367
WD(mm)	280±5
Max Sensor Size(Φmm)	44(35mm Full)
F/#	14.8
MTF30(lp/mm)	>55
DOF(mm)	±5.9@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	697±5
Length(mm)	405
Mount	M58
Weight(kg)	5.0
Field of View (mmxmm)	
Link-2K	20.48mm 55.8
Link-4K	28.67mm 78.1
Link-8K	40.96mm 111.6
35mm Format	36.0x24.0 98.1x65.4

## DTCM35F-136-AL



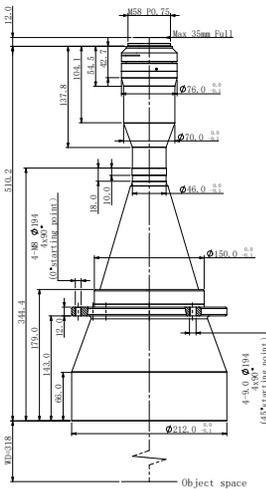
FOV(Φmm)	136
Mag.(x)	0.321
WD(mm)	288±5
Max Sensor Size(Φmm)	44(35mm Full)
F/#	7.9
MTF30(lp/mm)	>110
DOF(mm)	±6.2@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	779±6
Length(mm)	478.9
Mount	M58
Weight(kg)	-
Field of View (mmxmm)	
Link-2K	20.48mm 63.8
Link-4K	28.67mm 89.3
Link-8K	40.96mm 127.6
35mm Format	36.0x24.0 112.1x74.8

## DTCM35F-150-AL



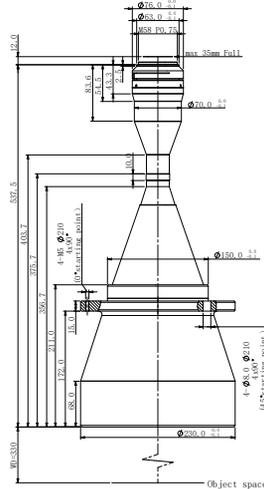
FOV(Φmm)	150
Mag.(x)	0.293
WD(mm)	300±5
Max Sensor Size(Φmm)	44(35mm Full)
F/#	14.8
MTF30(lp/mm)	>60
DOF(mm)	±9.3@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	760±5
Length(mm)	448.3
Mount	M58
Weight(kg)	6.4
Field of View (mmxmm)	
Link-2K	20.48mm 69.9
Link-4K	28.67mm 97.8
Link-8K	40.96mm 139.8
35mm Format	36.0x24.0 122.9x81.9

## DTCM35F-170-AL



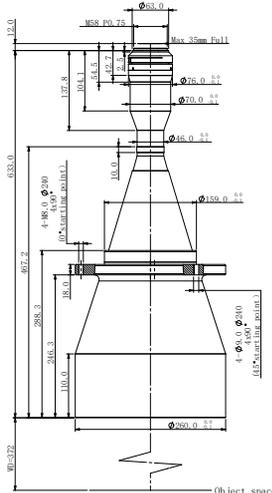
FOV(Φmm)	170
Mag.(x)	0.257
WD(mm)	318±5
Max Sensor Size(Φmm)	44(35mm Full)
F/#	6.0
MTF30(lp/mm)	>130
DOF(mm)	±6.7@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	840±5
Length(mm)	510.2
Mount	M58
Weight(kg)	7.3
Field of View (mmxmm)	
Link-2K	20.48mm 79.7
Link-4K	28.67mm 111.6
Link-8K	40.96mm 159.4
35mm Format	36.0x24.0 140.1x93.4

## DTCM35F-190-AL



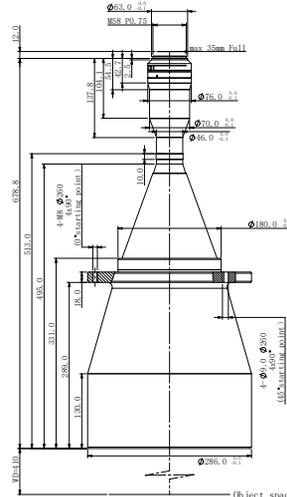
FOV(Φmm)	190
Mag.(x)	0.230
WD(mm)	330±5
Max Sensor Size(Φmm)	44(35mm Full)
F/#	10.3
MTF30(lp/mm)	>85
DOF(mm)	±15.1@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	880±5
Length(mm)	537.5
Mount	M58
Weight(kg)	11.8
Field of View (mmxmm)	
Link-2K	20.48mm 89.0
Link-4K	28.67mm 124.7
Link-8K	40.96mm 178.1
35mm Format	36.0x24.0 156.5x104.3

## DTCM35F-216-AL



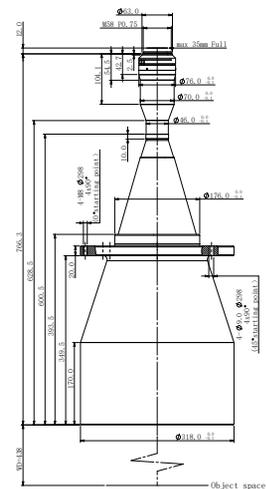
FOV(Φmm)	216
Mag.(x)	0.202
WD(mm)	372±5
Max Sensor Size(Φmm)	44(35mm Full)
F/#	10.4
MTF30(lp/mm)	>90
DOF(mm)	±19.6@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1017±5
Length(mm)	633.0
Mount	M58
Weight(kg)	14.5
Field of View (mmxmm)	
Link-2K	20.48mm 101.4
Link-4K	28.67mm 141.9
Link-8K	40.96mm 202.8
35mm Format	36.0x24.0 178.2x118.8

## DTCM35F-240H-AL



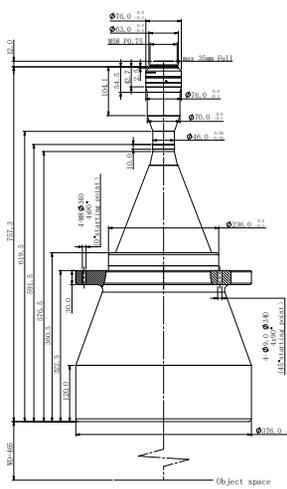
FOV(Φmm)	240
Mag.(x)	0.182
WD(mm)	410±6
Max Sensor Size(Φmm)	44(35mm Full)
F/#	6.0
MTF30(lp/mm)	>130
DOF(mm)	±19.4@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1101±6
Length(mm)	678.8
Mount	M58
Weight(kg)	20.0
Field of View (mmxmm)	
Link-2K	20.48mm 112.5
Link-4K	28.67mm 157.5
Link-8K	40.96mm 225.1
35mm Format	36.0x24.0 197.8x139.9

## DTCM35F-268-AL



FOV(Φmm)	268
Mag.(x)	0.163
WD(mm)	438±6
Max Sensor Size(Φmm)	44(35mm Full)
F/#	6.0
MTF30(lp/mm)	>140
DOF(mm)	±16.6@F11
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1216±6
Length(mm)	766.3
Mount	M58
Weight(kg)	-
Field of View (mmxmm)	
Link-2K	20.48mm 125.6
Link-4K	28.67mm 175.9
Link-8K	40.96mm 251.3
35mm Format	36.0x24.0 220.9x147.2

## DTCM35F-300-AL



FOV(Φmm)	300
Mag.(x)	0.147
WD(mm)	465±6
Max Sensor Size(Φmm)	44(35mm Full)
F/#	10.3
MTF30(lp/mm)	>85
DOF(mm)	±37@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1234±6
Length(mm)	757.3
Mount	M58
Weight(kg)	47.3
Field of View (mmxmm)	
Link-2K	20.48mm 139.3
Link-4K	28.67mm 195.0
Link-8K	40.96mm 278.6
35mm Format	36.0x24.0 244.9x163.3