

# DTCM16K Series

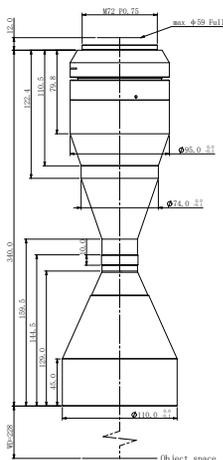
Support 59mm

Cameras



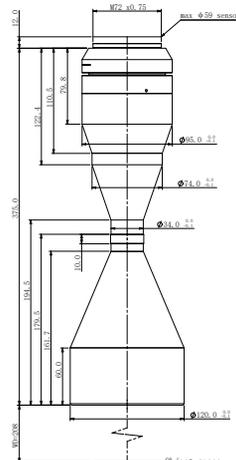
Lens Model	FOV (Φmm)	Mag. β(x)	WD (mm)	Sensor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	I/O (mm)	Length (mm)	Mount	Weight (kg)
DTCM16K-80H-AL	80	0.738	228±4	59	9.9	>85	±1.6@F22	<0.1	<0.1	580±4	340.0	M72	3.4
DTCM16K-90-AL	90	0.656	208±3	59	15.4	>50	±1.3@F20	<0.1	<0.1	595±3	375.0	M72	3.1
DTCM16K-110-AL	110	0.536	263±4	59	12.6	>60	±2.8@F20	<0.1	<0.1	703±4	427.6	M72	4.1
DTCM16K-136-AL	136	0.434	288±5	59	10.7	>80	±4.2@F20	<0.1	<0.1	813±5	512.6	M72	-
DTCM16K-150-AL	150	0.393	300±5	59	19.8	>45	±5.1@F20	<0.1	<0.1	794±5	482.0	M72	7.1
DTCM16K-170-AL	170	0.347	318±5	59	8.7	>90	±5.3@F16	<0.1	<0.1	874±5	543.9	M72	8.0
DTCM16K-190-AL	190	0.311	330±5	59	13.9	>65	±8.2@F20	<0.1	<0.1	913±5	571.2	M72	12.5
DTCM16K-216-AL	216	0.273	372±5	59	8.7	>95	±8.6@F16	<0.1	<0.1	1051±5	666.7	M72	15.2
DTCM16K-240H-AL	240	0.246	410±6	59	8.7	>100	±14.6@F22	<0.1	<0.1	1135±6	712.5	M72	20.7
DTCM16K-268-AL	268	0.220	438±6	59	8.7	>95	±13.2@F16	<0.1	<0.1	1250±6	800.0	M72	-
DTCM16K-300-AL	300	0.197	465±6	59	9.0	>95	±20.6@F20	<0.1	<0.1	1268±6	791.0	M72	48.0

## DTCM16K-80H-AL



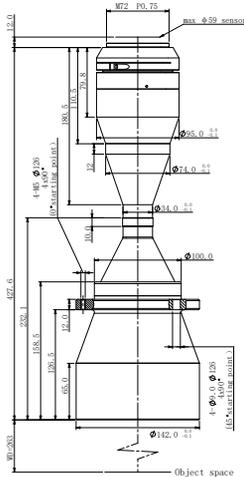
FOV(Φmm)	80
Mag.(x)	0.738
WD(mm)	228±4
Max Sensor Size(Φmm)	59
F/#	9.9
MTF30(lp/mm)	>85
DOF(mm)	±1.6@F22
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	580±4
Length(mm)	340.0
Mount	M72
Weight(kg)	3.4
Field of View (mmxmm)	
KAI-47051	48.7x29.0 66.0x39.3
16Kx3.5/3.53um	57.4mm 77.8
8Kx7um/7.04um	57.4mm 77.8

## DTCM16K-90-AL



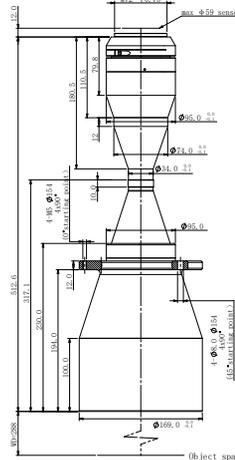
FOV(Φmm)	90
Mag.(x)	0.656
WD(mm)	208±3
Max Sensor Size(Φmm)	59
F/#	15.4
MTF30(lp/mm)	>50
DOF(mm)	±1.3@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	595±3
Length(mm)	375.0
Mount	M72
Weight(kg)	3.1
Field of View (mmxmm)	
KAI-47051	48.7x29.0 74.2x44.2
16Kx3.5/3.53um	57.4mm 87.5
8Kx7um/7.04um	57.4mm 87.5

## DTCM16K-110-AL



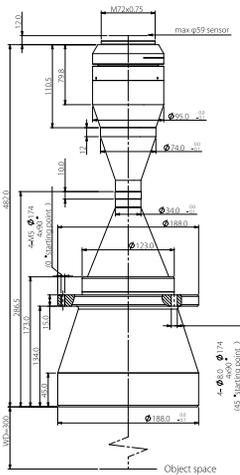
FOV(Φmm)	110
Mag.(x)	0.536
WD(mm)	263±4
Max Sensor Size(Φmm)	59
F/#	12.6
MTF30(lp/mm)	>60
DOF(mm)	±2.8@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	703±4
Length(mm)	427.6
Mount	M72
Weight(kg)	4.1
Field of View (mmxmm)	
KAI-47051	48.7x29.0 90.9x54.1
16Kx3.5/3.53um	57.4mm 107.1
8Kx7um/7.04um	57.4mm 107.1

## DTCM16K-136-AL



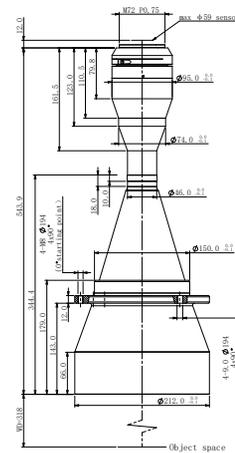
FOV(Φmm)	136
Mag.(x)	0.434
WD(mm)	288±5
Max Sensor Size(Φmm)	59
F/#	10.7
MTF30(lp/mm)	>80
DOF(mm)	±4.2@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	813±5
Length(mm)	512.6
Mount	M72
Weight(kg)	-
Field of View (mmxmm)	
KAI-47051	48.7x29.0 112.2x66.8
16Kx3.5/3.53um	57.4mm 132.3
8Kx7um/7.04um	57.4mm 132.3

## DTCM16K-150-AL



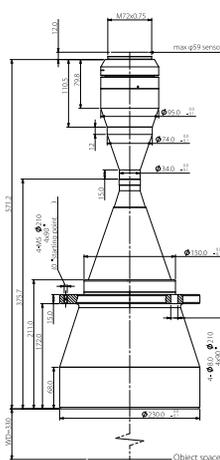
FOV(Φmm)	150
Mag.(x)	0.393
WD(mm)	300±5
Max Sensor Size(Φmm)	59
F/#	19.8
MTF30(lp/mm)	>45
DOF(mm)	±5.1@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	794±5
Length(mm)	482.0
Mount	M72
Weight(kg)	7.1
Field of View (mmxmm)	
KAI-47051	48.7x29.0 123.9x73.8
16Kx3.5/3.53um	57.4mm 146.1
8Kx7um/7.04um	57.4mm 146.1

## DTCM16K-170-AL



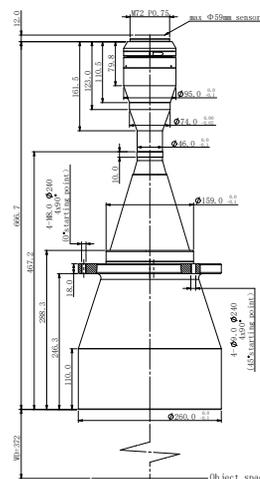
FOV(Φmm)	170
Mag.(x)	0.347
WD(mm)	318±5
Max Sensor Size(Φmm)	59
F/#	8.7
MTF30(lp/mm)	>90
DOF(mm)	±5.3@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	874±5
Length(mm)	543.9
Mount	M72
Weight(kg)	8.0
Field of View (mmxmm)	
KAI-47051	48.7x29.0 140.3x83.6
16Kx3.5/3.53um	57.4mm 165.4
8Kx7um/7.04um	57.4mm 165.4

## DTCM16K-190-AL



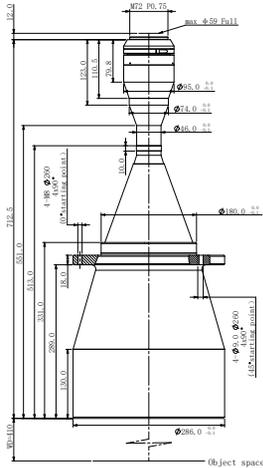
FOV(Φmm)	190
Mag.(x)	0.311
WD(mm)	330±5
Max Sensor Size(Φmm)	59
F/#	13.9
MTF30(lp/mm)	>65
DOF(mm)	±8.2@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	913±5
Length(mm)	571.2
Mount	M72
Weight(kg)	12.5
Field of View (mmxmm)	
KAI-47051	48.7x29.0 156.6x93.2
16Kx3.5/3.53um	57.4mm 184.6
8Kx7um/7.04um	57.4mm 184.6

## DTCM16K-216-AL



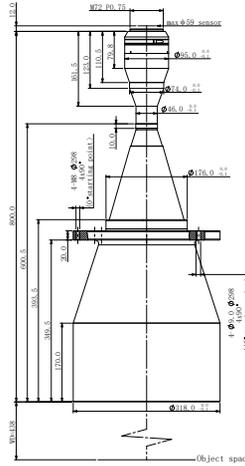
FOV(Φmm)	216
Mag.(x)	0.273
WD(mm)	372±5
Max Sensor Size(Φmm)	59
F/#	8.7
MTF30(lp/mm)	>95
DOF(mm)	±8.6@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1051±5
Length(mm)	666.7
Mount	M72
Weight(kg)	15.2
Field of View (mmxmm)	
KAI-47051	48.7x29.0 178.4x106.2
16Kx3.5/3.53um	57.4mm 210.3
8Kx7um/7.04um	57.4mm 210.3

## DTCM16K-240H-AL



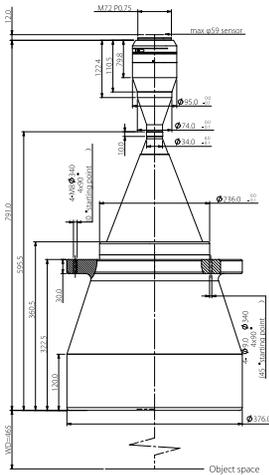
FOV(Φmm)	240	
Mag.(x)	0.246	
WD(mm)	410±6	
Max Sensor Size(Φmm)	59	
F/#	8.7	
MTF30(lp/mm)	>100	
DOF(mm)	±14.6@F22	
Distortion(% max)	<0.1	
Telecentricity(° max)	<0.1	
I/O(mm)	1135±6	
Length(mm)	712.5	
Mount	M72	
Weight(kg)	20.7	
Field of View (mmxmm)		
KAI-47051	48.7x29.0	198x117.9
16Kx3.5/3.53um	57.4mm	233.3
8Kx7um/7.04um	57.4mm	233.3

## DTCM16K-268-AL



FOV(Φmm)	268	
Mag.(x)	0.220	
WD(mm)	438±6	
Max Sensor Size(Φmm)	59	
F/#	8.7	
MTF30(lp/mm)	>95	
DOF(mm)	±13.2@F16	
Distortion(% max)	<0.1	
Telecentricity(° max)	<0.1	
I/O(mm)	1250±6	
Length(mm)	800.0	
Mount	M72	
Weight(kg)	-	
Field of View (mmxmm)		
KAI-47051	48.7x29.0	221.4x131.8
16Kx3.5/3.53um	57.4mm	260.9
8Kx7um/7.04um	57.4mm	260.9

## DTCM16K-300-AL



FOV(Φmm)	300	
Mag.(x)	0.197	
WD(mm)	465±6	
Max Sensor Size(Φmm)	59	
F/#	9.0	
MTF30(lp/mm)	>95	
DOF(mm)	±20.6@F20	
Distortion(% max)	<0.1	
Telecentricity(° max)	<0.1	
I/O(mm)	1268±6	
Length(mm)	791.0	
Mount	M72	
Weight(kg)	48.0	
Field of View (mmxmm)		
KAI-47051	48.7x29.0	247.2x147.2
16Kx3.5/3.53um	57.4mm	291.4
8Kx7um/7.04um	57.4mm	291.4



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