

DTCM175 Series

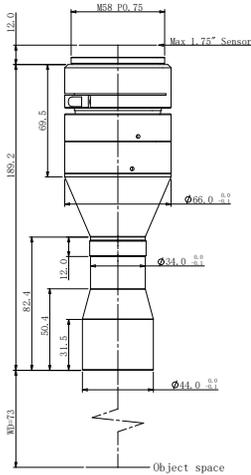
Support 1.75"

Cameras



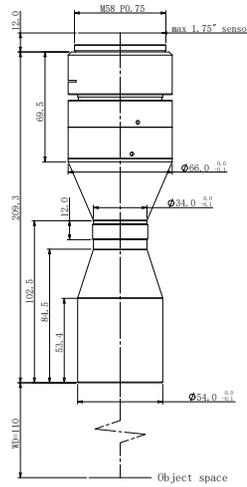
Lens Model	FOV (°mm)	Mag. β(x)	WD (mm)	Sensor Size (Φmm)	F/#	MTF30 (lp/mm)	DOF (mm)	Distortion (% max)	Telecentricity (° max)	I/O (mm)	Length (mm)	Mount	Weight (kg)
DTCM175-26-AL	26	1.115	73±1	29(1.75")	15.0	>50	±0.6@F20	<0.1	<0.1	274±1	189.2	M58	0.8
DTCM175-36-AL	36	0.806	110±2	29(1.75")	13.5	>60	±1.2@F20	<0.1	<0.1	331±2	209.3	M58	1.0
DTCM175-42-AL	42	0.690	118±3	29(1.75")	11.4	>70	±1.6@F20	<0.1	<0.1	325±3	194.8	M58	0.9
DTCM175-48-AL	48	0.604	128±3	29(1.75")	11.3	>70	±2.2@F20	<0.1	<0.1	348±3	208.3	M58	1.0
DTCM175-56-AL	56	0.518	138±3	29(1.75")	9.7	>85	±3.0@F20	<0.1	<0.1	381±3	230.8	M58	1.2
DTCM175-64H-AL	64	0.453	158±3	29(1.75")	8.5	>100	±3.1@F16	<0.1	<0.1	413±3	243.3	M58	1.4
DTCM175-72-AL	72	0.403	178±3	29(1.75")	8.5	>105	±3.9@F16	<0.1	<0.1	453±3	263.3	M58	1.6
DTCM175-80H-AL	80	0.363	228±4	29(1.75")	6.8	>130	±4.9@F16	<0.1	<0.1	493±4	253.3	M58	2.4
DTCM175-90-AL	90	0.322	208±3	29(1.75")	8.5	>100	±6.1@F16	<0.1	<0.1	508±3	288.3	M58	2.2
DTCM175-100-AL	100	0.290	258±4	29(1.75")	11.3	>70	±9.5@F20	<0.1	<0.1	582±4	311.6	M58	3.6
DTCM175-110-AL	110	0.264	263±4	29(1.75")	6.8	>120	±9.2@F16	<0.1	<0.1	616±4	340.9	M58	3.2
DTCM175-120-AL	120	0.242	280±5	29(1.75")	9.7	>90	±13.6@F20	<0.1	<0.1	644±5	352.0	M58	4.7
DTCM175-136-AL	136	0.213	288±5	29(1.75")	6.8	>125	±14.1@F16	<0.1	<0.1	726±5	425.8	M58	-
DTCM175-150-AL	150	0.193	300±5	29(1.75")	9.7	>90	±21.5@F20	<0.1	<0.1	707±5	395.2	M58	6.2
DTCM175-170-AL	170	0.171	318±5	29(1.75")	6.8	>125	±21.9@F16	<0.1	<0.1	787±5	457.2	M58	7.0
DTCM175-190-AL	190	0.153	330±5	29(1.75")	6.8	>130	±27.3@F16	<0.1	<0.1	827±5	484.5	M58	11.5
DTCM175-216-AL	216	0.134	372±5	29(1.75")	6.8	>125	±35.6@F16	<0.1	<0.1	964±5	579.9	M58	14.3
DTCM175-240H-AL	240	0.121	410±6	29(1.75")	6.8	>125	±43.7@F16	<0.1	<0.1	1048±6	625.8	M58	19.8
DTCM175-268-AL	268	0.108	438±6	29(1.75")	6.8	>130	±54.9@F16	<0.1	<0.1	1163±6	713.3	M58	-
DTCM175-300-AL	300	0.097	465±6	29(1.75")	8.5	>105	±68@F16	<0.1	<0.1	1181±6	704.3	M58	47.1

DTCM175-26-AL



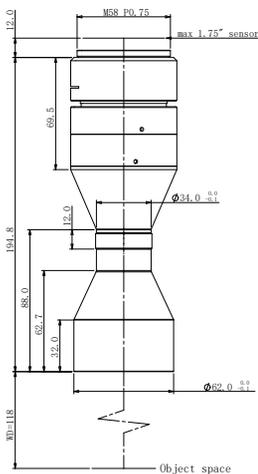
FOV(Φmm)	26
Mag.(x)	1.115
WD(mm)	73±1
Max Sensor Size(Φmm)	29(1.75")
F/#	15.0
MTF30(lp/mm)	>50
DOF(mm)	±0.6@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	274±1
Length(mm)	189.2
Mount	M58
Weight(kg)	0.8
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 20.2x15.2
1.75" PYTHON16k	18.43x18.43 16.5x16.5
1.75" LineScan-2k/4k/8k	28.8mm 25.8

DTCM175-36-AL



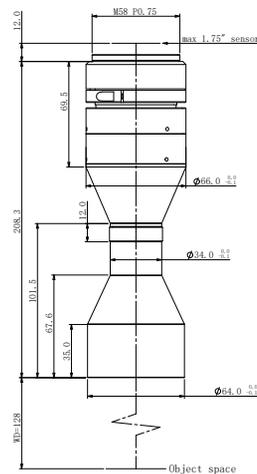
FOV(Φmm)	36
Mag.(x)	0.806
WD(mm)	110±2
Max Sensor Size(Φmm)	29(1.75")
F/#	13.5
MTF30(lp/mm)	>60
DOF(mm)	±1.2@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	331±2
Length(mm)	209.3
Mount	M58
Weight(kg)	1.0
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 28.0x21.0
1.75" PYTHON16k	18.43x18.43 22.9x22.9
1.75" LineScan-2k/4k/8k	28.8mm 35.7

DTCM175-42-AL



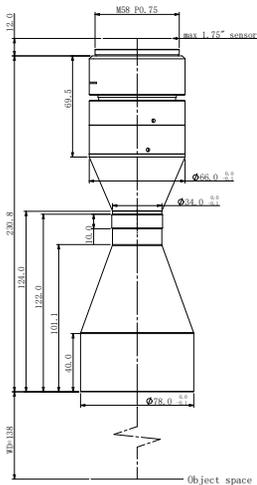
FOV(Φmm)	42
Mag.(x)	0.690
WD(mm)	118±3
Max Sensor Size(Φmm)	29(1.75")
F/#	11.4
MTF30(lp/mm)	>70
DOF(mm)	±1.6@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	325±3
Length(mm)	194.8
Mount	M58
Weight(kg)	0.9
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 32.7x24.5
1.75" PYTHON16k	18.43x18.43 26.7x26.7
1.75" LineScan-2k/4k/8k	28.8mm 41.7

DTCM175-48-AL



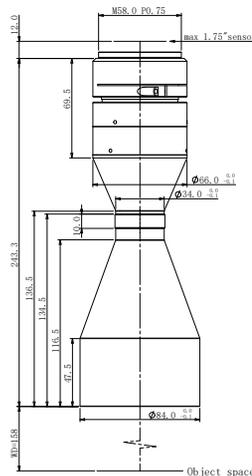
FOV(Φmm)	48
Mag.(x)	0.604
WD(mm)	128±3
Max Sensor Size(Φmm)	29(1.75")
F/#	11.3
MTF30(lp/mm)	>70
DOF(mm)	±2.2@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	348±3
Length(mm)	208.3
Mount	M58
Weight(kg)	1.0
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 37.3x28.0
1.75" PYTHON16k	18.43x18.43 30.5x30.5
1.75" LineScan-2k/4k/8k	28.8mm 47.7

DTCM175-56-AL



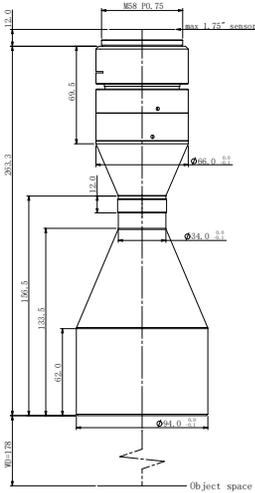
FOV(Φmm)	56
Mag.(x)	0.518
WD(mm)	138±3
Max Sensor Size(Φmm)	29(1.75")
F/#	9.7
MTF30(lp/mm)	>85
DOF(mm)	±3.0@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	381±3
Length(mm)	230.8
Mount	M58
Weight(kg)	1.2
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 43.5x32.6
1.75" PYTHON16k	18.43x18.43 35.6x35.6
1.75" LineScan-2k/4k/8k	28.8mm 55.6

DTCM175-64H-AL



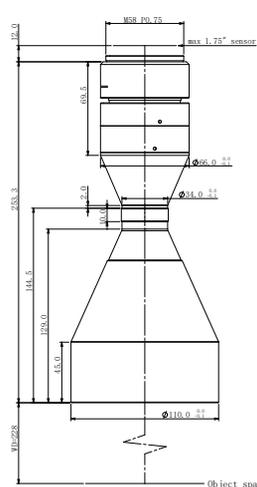
FOV(Φmm)	64
Mag.(x)	0.453
WD(mm)	158±3
Max Sensor Size(Φmm)	29(1.75")
F/#	8.5
MTF30(lp/mm)	>90
DOF(mm)	±4.0@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	414±3
Length(mm)	241.3
Mount	M58
Weight(kg)	1.2
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 49.5x36.6
1.75" PYTHON16k	18.43x18.43 40.5x40.5
1.75" LineScan-2k/4k/8k	28.8mm 63.6

DTCM175-72-AL



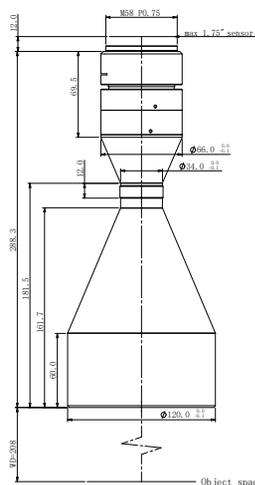
FOV(Φmm)	72
Mag.(x)	0.403
WD(mm)	178±3
Max Sensor Size(Φmm)	29(1.75")
F/#	8.5
MTF30(lp/mm)	>105
DOF(mm)	±3.9@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	453±3
Length(mm)	263.3
Mount	M58
Weight(kg)	1.6
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 55.9x41.9
1.75" PYTHON16k	18.43x18.43 45.7x45.7
1.75" LineScan-2k/4k/8k	28.8mm 71.5

DTCM175-80H-AL



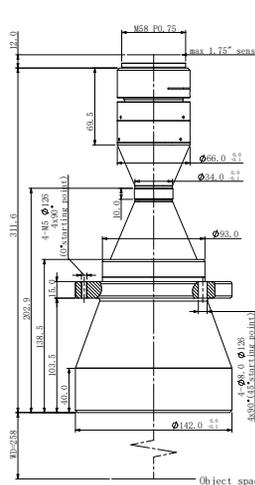
FOV(Φmm)	80
Mag.(x)	0.363
WD(mm)	228±4
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>130
DOF(mm)	±4.9@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	493±4
Length(mm)	253.3
Mount	M58
Weight(kg)	2.4
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 62.1x46.6
1.75" PYTHON16k	18.43x18.43 50.8x50.8
1.75" LineScan-2k/4k/8k	28.8mm 79.3

DTCM175-90-AL



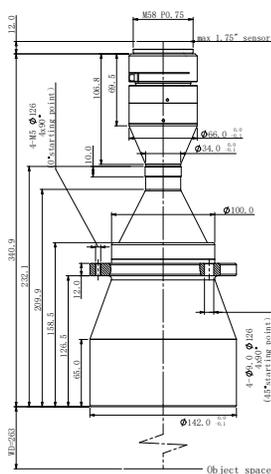
FOV(Φmm)	90
Mag.(x)	0.322
WD(mm)	208±3
Max Sensor Size(Φmm)	29(1.75")
F/#	8.5
MTF30(lp/mm)	>100
DOF(mm)	±6.1@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	508±3
Length(mm)	288.3
Mount	M58
Weight(kg)	2.2
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 70.0x52.5
1.75" PYTHON16k	18.43x18.43 57.2x57.2
1.75" LineScan-2k/4k/8k	28.8mm 89.4

DTCM175-100-AL



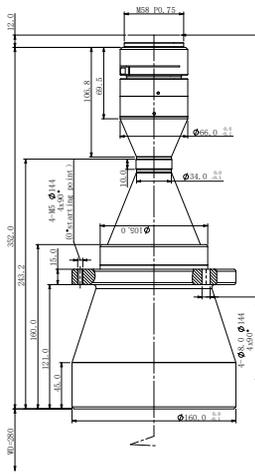
FOV(Φmm)	100
Mag.(x)	0.290
WD(mm)	258±4
Max Sensor Size(Φmm)	29(1.75")
F/#	11.3
MTF30(lp/mm)	>70
DOF(mm)	±9.5@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	582±4
Length(mm)	311.6
Mount	M58
Weight(kg)	3.6
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 77.7x58.3
1.75" PYTHON16k	18.43x18.43 63.6x63.6
1.75" LineScan-2k/4k/8k	28.8mm 99.3

DTCM175-110-AL



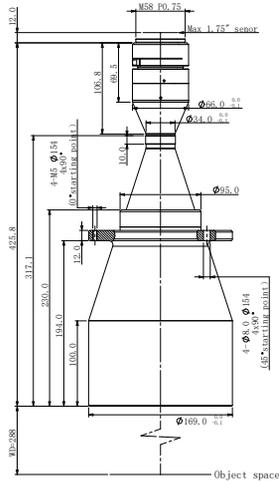
FOV(Φmm)	110
Mag.(x)	0.264
WD(mm)	263±4
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>120
DOF(mm)	±9.2@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	616±4
Length(mm)	340.9
Mount	M58
Weight(kg)	3.2
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 85.3x64.0
1.75" PYTHON16k	18.43x18.43 69.8x69.8
1.75" LineScan-2k/4k/8k	28.8mm 109.1

DTCM175-120-AL



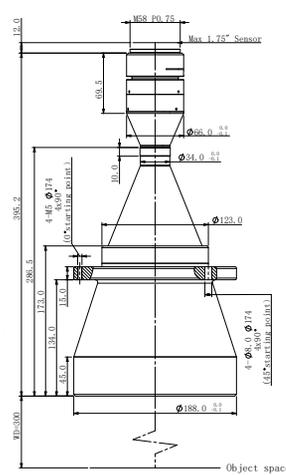
FOV(Φmm)	120
Mag.(x)	0.240
WD(mm)	278±4
Max Sensor Size(Φmm)	29(1.75")
F/#	8.5
MTF30(lp/mm)	>100
DOF(mm)	±10.0@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	658±4
Length(mm)	352.0
Mount	M58
Weight(kg)	4.0
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 90.0x64.0
1.75" PYTHON16k	18.43x18.43 74.0x74.0
1.75" LineScan-2k/4k/8k	28.8mm 116.0

DTCM175-136-AL



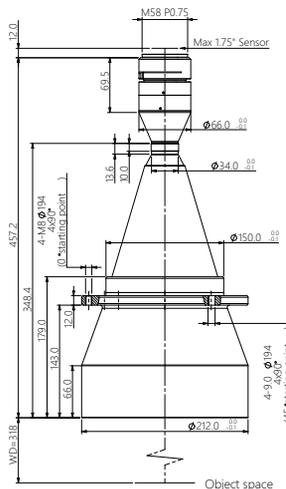
FOV(Φmm)	136
Mag.(x)	0.213
WD(mm)	288±5
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>125
DOF(mm)	±14.1@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	726±5
Length(mm)	425.8
Mount	M58
Weight(kg)	-
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 105.8x79.3
1.75" PYTHON16k	18.43x18.43 86.5x86.5
1.75" LineScan-2k/4k/8k	28.8mm 135.2

DTCM175-150-AL



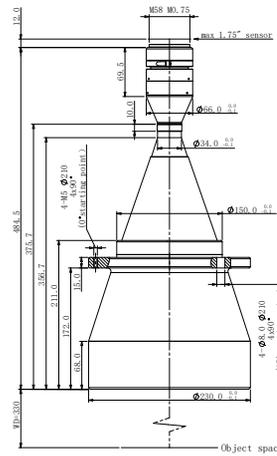
FOV(Φmm)	150
Mag.(x)	0.193
WD(mm)	300±5
Max Sensor Size(Φmm)	29(1.75")
F/#	9.7
MTF30(lp/mm)	>90
DOF(mm)	±21.5@F20
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	707±5
Length(mm)	395.2
Mount	M58
Weight(kg)	6.2
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 116.7x87.6
1.75" PYTHON16k	18.43x18.43 95.5x95.5
1.75" LineScan-2k/4k/8k	28.8mm 149.2

DTCM175-170-AL



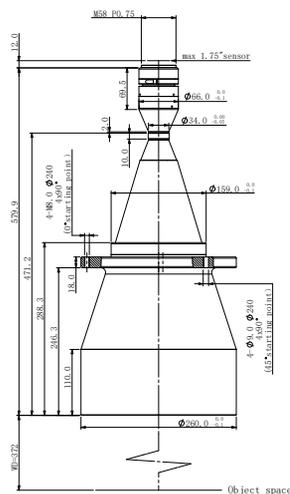
FOV(Φmm)	170
Mag.(x)	0.171
WD(mm)	318±5
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>125
DOF(mm)	±21.9@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	787±5
Length(mm)	457.2
Mount	M58
Weight(kg)	7.0
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 131.8x98.8
1.75" PYTHON16k	18.43x18.43 107.8x107.8
1.75" LineScan-2k/4k/8k	28.8mm 168.4

DTCM175-190-AL



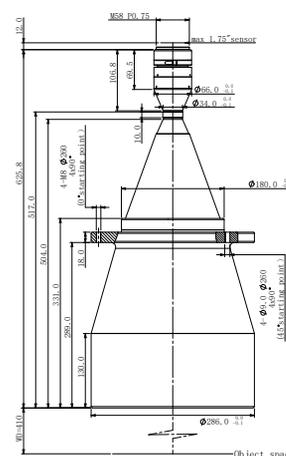
FOV(Φmm)	190
Mag.(x)	0.153
WD(mm)	330±5
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>130
DOF(mm)	±27.3@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	827±5
Length(mm)	484.5
Mount	M58
Weight(kg)	11.5
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 147.3x110.5
1.75" PYTHON16k	18.43x18.43 120.5x120.5
1.75" LineScan-2k/4k/8k	28.8mm 188.2

DTCM175-216-AL



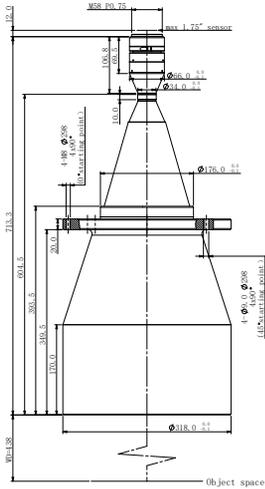
FOV(Φmm)	216
Mag.(x)	0.134
WD(mm)	372±5
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>125
DOF(mm)	±35.6@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	964±5
Length(mm)	579.9
Mount	M58
Weight(kg)	14.3
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 168.1x126.1
1.75" PYTHON16k	18.43x18.43 137.5x137.5
1.75" LineScan-2k/4k/8k	28.8mm 214.9

DTCM175-240H-AL



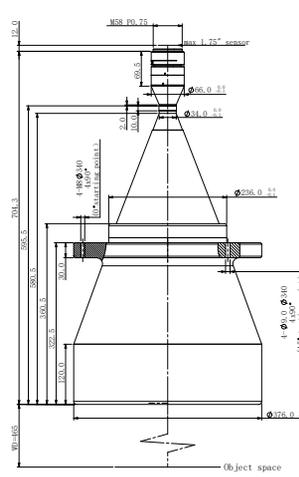
FOV(Φmm)	240
Mag.(x)	0.121
WD(mm)	410±6
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>125
DOF(mm)	±43.7@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1048±6
Length(mm)	625.8
Mount	M58
Weight(kg)	19.8
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 186.2x139.7
1.75" PYTHON16k	18.43x18.43 152.3x152.3
1.75" LineScan-2k/4k/8k	28.8mm 238.0

DTCM175-268-AL



FOV(Φmm)	268
Mag.(x)	0.108
WD(mm)	438±6
Max Sensor Size(Φmm)	29(1.75")
F/#	6.8
MTF30(lp/mm)	>130
DOF(mm)	±54.9@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1163±6
Length(mm)	713.3
Mount	M58
Weight(kg)	-
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 208.6x156.5
1.75" PYTHON16k	18.43x18.43 170.6x170.6
1.75" LineScan-2k/4k/8k	28.8mm 266.7

DTCM175-300-AL



FOV(Φmm)	300
Mag.(x)	0.097
WD(mm)	465±6
Max Sensor Size(Φmm)	29(1.75")
F/#	8.5
MTF30(lp/mm)	>105
DOF(mm)	±68@F16
Distortion(% max)	<0.1
Telecentricity(° max)	<0.1
I/O(mm)	1181±6
Length(mm)	704.3
Mount	M58
Weight(kg)	47.1
Field of View (mmxmm)	
1.75" CMV12000	22.53x16.90 232.3x174.2
1.75" PYTHON16k	18.43x18.43 190.0x190.0
1.75" LineScan-2k/4k/8k	28.8mm 296.9