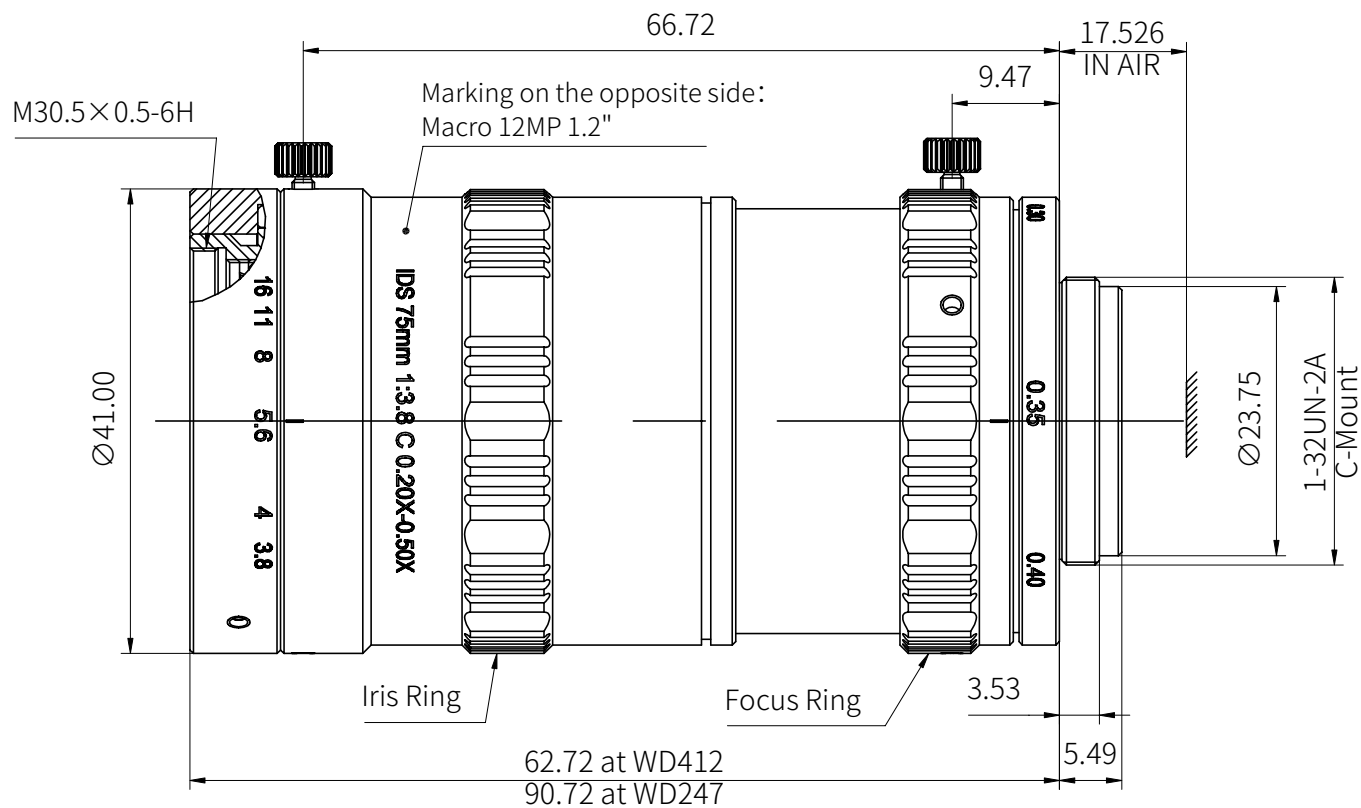
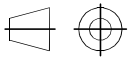


Optical Specification

Model		Lens,IDS,Ma-12M120-C7538,75mm,1.2"
Article Number		1012317
Resolution		3.45 μm
Mount		C-Mount
Sensor		Ø19.3(1.2")
Focal Length		75
Adjustion Type		Manual
F NO.		F3.8~F16
Working Distance		247~412 mm
TV Distortion		0.07% at 0.500X
		0.02% at 0.350X
		0.10% at 0.200X
Weight		0.18 kg
Back Focal Length		14.60
Chief Ray Angle		5.68°
Effective Diameter	Front Ø(mm)	22.90
	Back Ø(mm)	19.40
Size		Ø41.00×90.72
Filter Thread		M30.5×0.5-6H
Working Temperature		-20℃~+60℃



View Angle		Remark	Item	Signature	Date	IDS Imaging Development Systems GmbH					
			Drawing								
Standard Different			Design			Lens,IDS,Ma-12M120-C7538,75mm,1.2"					
			Check								
IT14			Approve								
			Paper Size	A4							
			Revised Date	2025.07.29							

A		B		C		D							
1	Working Distance - Field of View									1			
	Sensor (D×H×V)		1.2" (19.3×16.7×9.4)	1" (16.0×12.7×9.6)	2/3" (11.0×8.8×6.6)	1/1.8" (9.0×7.2×5.4)	1/2" (8.0×6.4×4.8)						
	Angle (D×H×V)		14.7°×12.7°×7.2°	12.2°×9.7°×7.3°	8.4°×6.7°×5.0°	6.9°×5.5°×4.1°	6.1°×4.9°×3.7°						
	W.D.(mm)	Magnification	Field of View(H×V)(mm)										
	246.81	0.500X	33.4×18.8	25.4×19.2	17.6×13.2	14.4×10.8	12.8×9.6						
	251.45	0.480X	34.8×19.6	26.5×20.0	18.3×13.8	15.0×11.3	13.3×10.0						
	256.50	0.460X	36.3×20.4	27.6×20.9	19.1×14.3	15.7×11.7	13.9×10.4						
	259.19	0.450X	37.1×20.9	28.2×21.3	19.6×14.7	16.0×12.0	14.2×10.7						
	264.94	0.430X	38.8×21.9	29.5×22.3	20.5×15.3	16.7×12.6	14.9×11.2						
	271.25	0.410X	40.7×22.9	31.0×23.4	21.5×16.1	17.6×13.2	15.6×11.7						
2	278.21	0.390X	42.8×24.1	32.6×24.6	22.6×16.9	18.5×13.8	16.4×12.3			2			
	281.96	0.380X	43.9×24.7	33.4×25.3	23.2×17.4	18.9×14.2	16.8×12.6						
	290.10	0.360X	46.4×26.1	35.3×26.7	24.4×18.3	20.0×15.0	17.8×13.3						
	299.19	0.340X	49.1×27.6	37.4×28.2	25.9×19.4	21.2×15.9	18.8×14.1						
	309.42	0.320X	52.2×29.4	39.7×30.0	27.5×20.6	22.5×16.9	20.0×15.0						
	315.03	0.310X	53.9×30.3	41.0×31.0	28.4×21.3	23.2×17.4	20.6×15.5						
	327.41	0.290X	57.6×32.4	43.8×33.1	30.3×22.8	24.8×18.6	22.1×16.6						
	341.62	0.270X	61.9×34.8	47.0×35.6	32.6×24.4	26.7×20.0	23.7×17.8						
	358.11	0.250X	66.8×37.6	50.8×38.4	35.2×26.4	28.8×21.6	25.6×19.2						
	367.38	0.240X	69.6×39.2	52.9×40.0	36.7×27.5	30.0×22.5	26.7×20.0						
3	388.43	0.220X	75.9×42.7	57.7×43.6	40.0×30.0	32.7×24.5	29.1×21.8			3			
	413.63	0.200X	83.5×47.0	63.5×48.0	44.0×33.0	36.0×27.0	32.0×24.0						
4										4			
	Copyright 2025 by IDS Imaging Development Systems GmbH All Rights Reserved		View Angle		Remark	Item	Signature	Date	IDS Imaging Development Systems GmbH Lens,IDS,Ma-12M120-C7538,75mm,1.2"				
			Drawing										
			Standard Different			Design							
						Check							
						Approve							
			IT14			Paper Size	A4						
	Revised Date	2025.07.29			Scale	3:2	Page	2/2	Version				
	A		B		C			D					