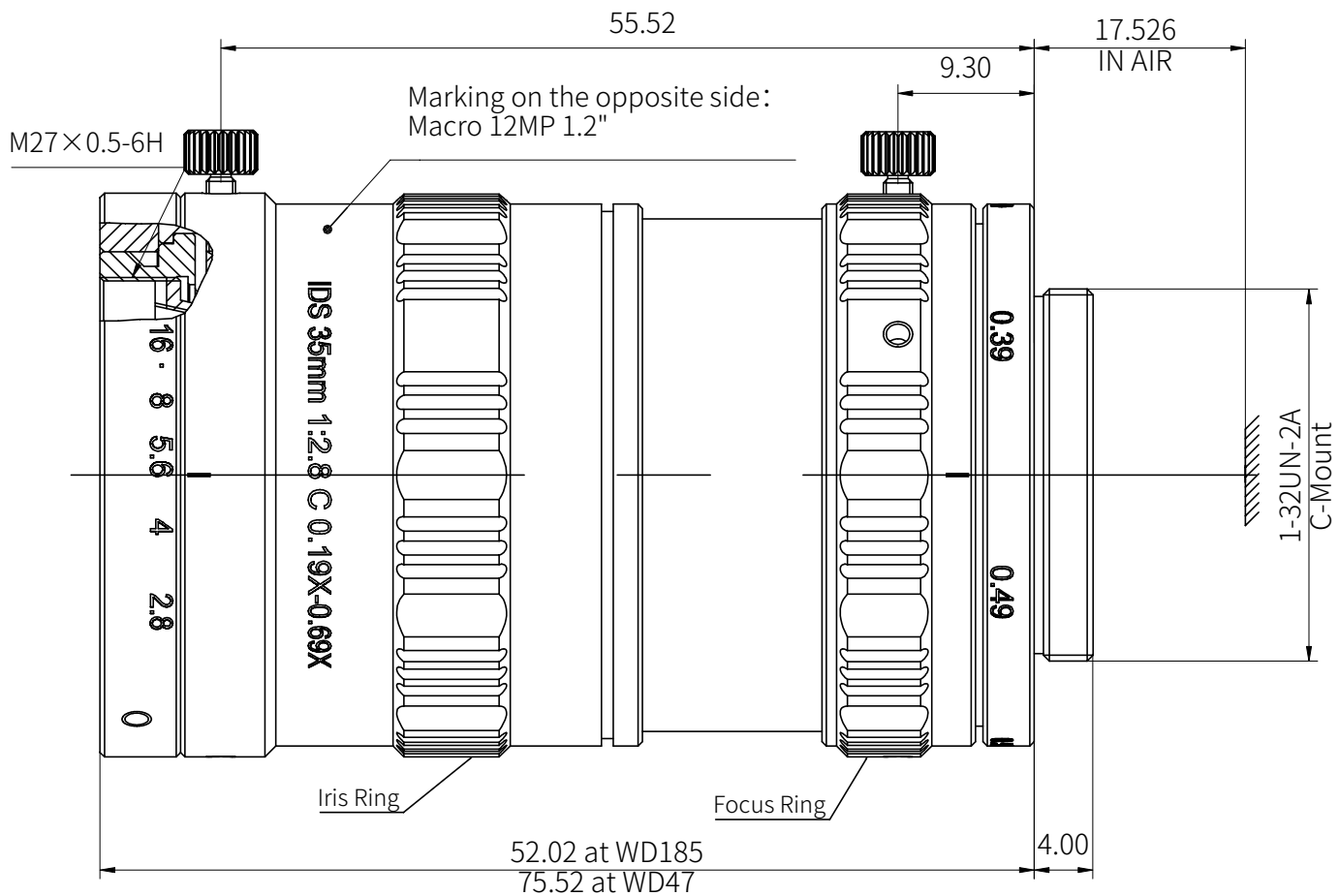
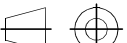


Optical Specification

Model		Lens,IDS,Ma-12M120-C3528,35mm,1.2"
Article Number		1012313
Resolution		3.45 μm
Mount		C-Mount
Sensor		Ø19.3(1.2")
Focal Length		35
Adjustion Type		Manual
F NO.		F2.8~F16
Working Distance		47~185 mm
TV Distortion		0.06% at 0.690X
		0.10% at 0.400X
		0.16% at 0.190X
Weight		0.14 kg
Back Focal Length		13.89
Chief Ray Angle		8.82°
Effective Diameter	Front Ø(mm)	19.70
	Back Ø(mm)	18.80
Size		Ø30.00×55.93
Filter Thread		M27×0.5-6H
Working Temperature		-20°C~+60°C



View Angle		Remark	Item	Signature	Date	 IDS Imaging Development Systems GmbH					
			Drawing								
Standard Different			Design			Lens,IDS,Ma-12M120-C3528,35mm,1.2"					
			Check								
IT14	Approve										
	Paper Size		A4								
	Revised Date		2025.07.29								
			Scale	1:1	Page	1/2	Version				

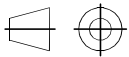
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IT14

IDS Imaging Development Systems GmbH

Lens,IDS,Ma-12M120-C3528,35mm,1.2"

Scale 1:1 Page 1/2 Version

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)		30.8°×26.8°×15.3°	25.8°×20.6°×15.6°	17.9°×14.3°×10.8°	14.7°×11.7°×8.8°	13.0°×10.4°×7.8°					
	W.D.(mm)	Magnification	Field of View(H×V)(mm)									
	56.38	0.690X	24.2×13.6	18.4×13.9	12.8×9.6	10.4×7.8	9.3×7.0					
	58.34	0.660X	25.3×14.2	19.2×14.5	13.3×10.0	10.9×8.2	9.7×7.3					
	60.49	0.630X	26.5×14.9	20.2×15.2	14.0×10.5	11.4×8.6	10.2×7.6					
	62.85	0.600X	27.8×15.7	21.2×16.0	14.7×11.0	12.0×9.0	10.7×8.0					
	65.46	0.570X	29.3×16.5	22.3×16.8	15.4×11.6	12.6×9.5	11.2×8.4					
	68.36	0.540X	30.9×17.4	23.5×17.8	16.3×12.2	13.3×10.0	11.9×8.9					
2	71.60	0.510X	32.7×18.4	24.9×18.8	17.3×12.9	14.1×10.6	12.5×9.4			2		
	75.25	0.480X	34.8×19.6	26.5×20.0	18.3×13.8	15.0×11.3	13.3×10.0					
	79.38	0.450X	37.1×20.9	28.2×21.3	19.6×14.7	16.0×12.0	14.2×10.7					
	82.46	0.430X	38.8×21.9	29.5×22.3	20.5×15.3	16.7×12.6	14.9×11.2					
	87.65	0.400X	41.8×23.5	31.8×24.0	22.0×16.5	18.0×13.5	16.0×12.0					
	93.69	0.370X	45.1×25.4	34.3×25.9	23.8×17.8	19.5×14.6	17.3×13.0					
	100.78	0.340X	49.1×27.6	37.4×28.2	25.9×19.4	21.2×15.9	18.8×14.1					
	109.25	0.310X	53.9×30.3	41.0×31.0	28.4×21.3	23.2×17.4	20.6×15.5					
	119.49	0.280X	59.6×33.6	45.4×34.3	31.4×23.6	25.7×19.3	22.9×17.1					
	132.13	0.250X	66.8×37.6	50.8×38.4	35.2×26.4	28.8×21.6	25.6×19.2					
3	148.04	0.221X	75.6×42.5	57.5×43.4	39.8×29.9	32.6×24.4	29.0×21.7			3		
	168.57	0.191X	87.4×49.2	66.5×50.3	46.1×34.6	37.7×28.3	33.5×25.1					
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-C3528,35mm,1.2"			
			Drawing									
			Design									
			Check									
			Approve									
	IT14				Paper Size	A4						
					Revised Date	2025.07.29						
					Scale	1:1	Page	2/2	Version			
A		B		C		D						