

M5028-MPW2

f=50mm F2.8

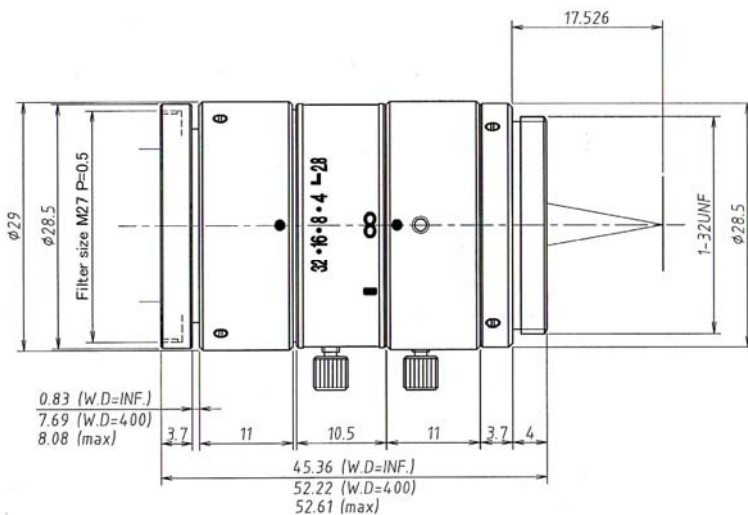
for 2/3 type Cameras, 5 Megapixel

C-Mount

Model No.		M5028-MPW2		Effective	Front	φ 18.0mm	
Focal Length		50mm		Lens Aperture	Rear	φ 12.0mm	
Max. Aperture Ratio		1:2.8		Distortion	2/3 type	0.027%(y=5.5)	
Max. Image Format		8.8mm x 6.6mm(φ 11mm)			1/1.8 type	0.017%(y=4.32)	
Operation Range		F2.8 - F32.0			1/2 type	0.015%(y=4.0)	
Focus		0.4m - Inf.		Back Focal Length		27.7mm	
Control	Iris	Manual		Flange Back Length		17.526mm	
	Focus	Manual		Mount		C-マウント	
Object Dimension at M.O.D.	2/3 Type	4.78cm x 6.38cm		Filter Size		M27.0 P=0.5mm	
	1/1.8 Type	3.77cm x 5.00cm		Dimensions		φ 29mm x 45.36mm	
	1/2 Type	3.48cm x 4.64cm		Weight		69.0g	
Angle of View	D	2/3 type	12.5°	1/1.8 type	9.9°	1/2 type	9.1°
	H		10.0°		7.9°		7.3°
	V		7.5°		5.9°		5.5°
Operating Temperature		-10°C - +50°C					

M.O.D. : Minimum Object Distance

Dimensions



Working Distance (mm)	Optical Magnification	Extension Ring (mm)	Field of View(mm)					
			2/3"		1/1.8"		1/2"	
			H	V	H	V	H	V
500	-0.108	-	81.3	61.0	63.8	48.1	59.2	44.4
450	-0.121	-	72.6	54.4	56.9	42.9	52.8	39.6
400	-0.138	-	63.8	47.8	50.0	37.7	46.4	34.8
350	-0.160	1	55.0	41.2	43.1	32.5	40.0	30.0
300	-0.191	5	46.2	34.6	36.2	27.3	33.6	25.2
250	-0.235	5	37.4	28.1	29.3	22.1	27.2	20.4
200	-0.308	10	28.6	21.5	22.4	16.9	20.8	15.6
150	-0.445	20	19.8	14.9	15.5	11.7	14.4	10.8
100	-0.801	40	11.0	8.2	8.6	6.5	8.0	6.0

Field of View = CCD Size / Optical Magnification



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