

C-MOUNT
1.1" 12MP

1.1" 12 MEGA PIXEL C-MOUNT LENS

MACHINE VISION LENS

- 8, 12, 16, 25, 35, 50mm. 6 Lens Series
- Compatible with 1.1" (ϕ 17.6mm) Large Format Sensor

- Ultra-High Resolution 12MP
- Compact 1.1" Design (smallest 12MP lens in the industry)

NEW

V0828-MPY

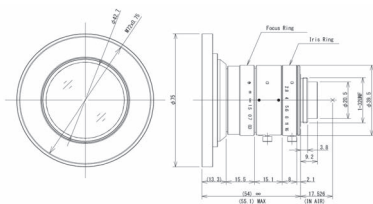
1.1"

12MP

FIX

MANUAL

FLOATING



Focal Length		8mm					
Max. Aperture Ratio		1:2.8					
Max. Image Format		14.2mm x 10.4mm (ϕ 17.6mm)					
Operation Range	Iris	F2.8 - F16.0					
	Focus	0.2m - Inf.					
Control	Iris	Manual					
	Focus	Manual					
Object Dimension at M.O.D.		375.6(H)mm x 273.3(V)mm 1.1"					
Angle of View	D	1.1"	93.9°	1"	89.3°	2/3"	69.0°
	H		83.0°		77.3°		57.3°
	V		66.0°		61.7°		44.2°
Operating Temperature		-10°C ~ +50°C					

Distortion	1.1"	-0.6%(y=8.8)	1"	-1.7%(y=8.0)	2/3"	-2.8%(y=5.5)
Back Focal Length	8.6mm					
Flange Back Length	17.526mm					
Mount	C-Mount					
Filter Size	M72 P=0.75mm (with VM0811)*					
	M67 P=0.75mm (with VM0810)*					
Dimensions	ϕ 75mm x 54mm					
Weight	155g					

*There is no filter mount on the top of the lens.
For using filters, please attach either VM0811 or VM0810.
For more detail, please refer to P22.

Working Distance (mm)	Optical Magnification	Extension Ring (mm)	Field of View(mm)					
			1.1"		1"		2/3"	
			H	V	H	V	H	V
1000	0.008	-	1790.8	1310.2	1617.6	1206.7	1103.1	820.5
950	0.009	-	1702.4	1245.4	1537.7	1147.0	1048.6	780.0
900	0.009	-	1614.2	1180.9	1458.0	1087.5	994.2	739.5
850	0.010	-	1525.9	1116.2	1378.2	1027.9	939.7	699.0
800	0.010	-	1437.5	1051.4	1298.3	968.3	885.2	658.4
750	0.011	-	1348.8	986.4	1218.0	908.3	830.4	617.6
700	0.012	-	1260.1	921.4	1137.9	848.5	775.7	576.9
650	0.013	-	1172.0	856.8	1058.2	789.0	721.3	536.5
600	0.014	-	1083.5	792.0	978.3	729.3	666.7	495.9
550	0.015	-	995.2	727.3	898.5	669.7	612.2	455.3
500	0.016	-	906.4	662.2	818.2	609.8	557.4	414.6
450	0.018	-	817.8	597.3	738.1	550.0	502.8	373.9
400	0.020	-	729.5	532.6	658.3	490.4	448.3	333.3
350	0.023	-	641.0	467.7	578.3	430.7	393.6	292.7
300	0.027	-	552.1	402.6	497.9	370.6	338.8	251.9
250	0.032	-	463.7	337.9	418.0	311.0	284.3	211.3
200	0.039	-	375.6	273.3	338.4	251.6	229.9	170.9
150	0.051	0.2	287.1	208.5	258.4	191.9	175.3	130.3
100	0.075	0.2	198.5	143.7	178.4	132.2	120.8	89.7

Fiel of View = CCD Size / Optical Magnification

NEW

V1228-MPY

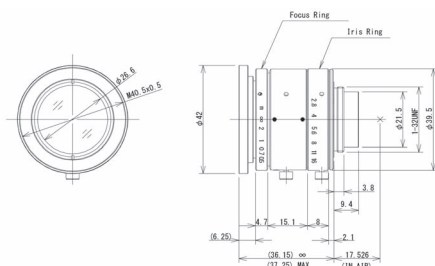
1.1"

12MP

FIX

MANUAL

FLOATING



Focal Length		12mm					
Max. Aperture Ratio		1:2.8					
Max. Image Format		14.2mm x 10.4mm (ϕ 17.6mm)					
Operation Range	Iris	F2.8 - F16.0					
	Focus	0.3m - Inf.					
Control	Iris	Manual					
	Focus	Manual					
Object Dimension at M.O.D.		351.6(H)mm x 257.0(V)mm 1.1"					
Angle of View	D		71.1°		66.4°		48.6°
	H	1.1"	60.5°	1"	55.5°	2/3"	39.6°
	V		46.2°		42.9°		30.1°
Operating Temperature		-10°C ~ +50°C					

Distortion	1.1"	-0.5%(y=8.8)	1"	-1.0%(y=8.0)	2/3"	-1.4%(y=5.5)
Back Focal Length	8.4mm					
Flange Back Length	17.526mm					
Mount	C-Mount					
Filter Size	M40.5 P=0.5mm					
Dimensions	ϕ 42.0mm x 36.1mm					
Weight	98g					

Working Distance (mm)	Optical Magnification	Extension Ring (mm)	Field of View(mm)					
			1.1"		1"		2/3"	
			H	V	H	V	H	V
1000	0.012	-	1167.9	854.2	1053.4	787.5	720.9	538.6
950	0.013	-	1109.5	811.4	1000.7	748.1	684.8	511.6
900	0.014	-	1051.2	768.8	948.2	708.8	648.9	484.8
850	0.015	-	992.9	726.1	895.5	669.4	612.8	457.8
800	0.015	-	934.6	683.4	842.9	630.1	576.8	430.9
750	0.016	-	876.4	640.9	790.4	590.9	540.9	404.1
700	0.018	-	818.0	598.1	737.7	551.5	504.8	377.1
650	0.019	-	759.7	555.5	685.1	512.2	468.8	350.3
600	0.021	-	701.5	512.9	632.7	472.9	432.9	323.4
550	0.022	-	643.0	470.2	579.9	433.5	396.8	296.5
500	0.025	-	584.7	427.5	527.3	394.2	360.8	269.6
450	0.027	-	526.5	384.9	474.8	354.9	324.9	242.7
400	0.031	-	468.2	342.3	422.2	315.6	288.9	215.8
350	0.035	-	409.9	299.7	369.6	276.3	252.9	189.0
300	0.041	-	351.6	257.0	317.0	237.0	216.9	162.1
250	0.048	0.5	303.1	221.0	273.0	203.7	186.4	139.2
200	0.060	0.5	242.7	177.0	218.6	163.1	149.3	111.5
150	0.079	0.5	182.5	133.1	164.3	122.6	112.2	83.8
100	0.115	1.0	126.3	91.9	113.6	84.7	77.5	57.8

Fiel of View = CCD Size / Optical Magnification

NEW

V1628-MPY

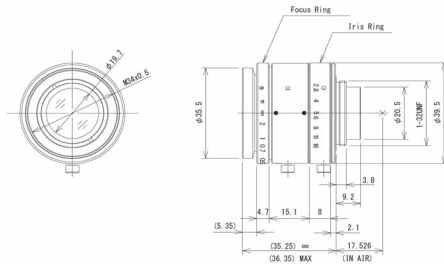
1.1"

12MP

FIX

MANUAL

FLOATING



Focal Length		16mm					
Max. Aperture Ratio		1:2.8					
Max. Image Format		14.2mm x 10.4mm (ϕ 17.6mm)					
Operation Range	Iris	F2.8 - F16.0					
	Focus	0.3m - Inf.					
Control	Iris	Manual					
	Focus	Manual					
Object Dimension at M.O.D.		264.6(H)mm x 193.8(V)mm 1.1"					
Angle of View	D		57.9°		53.4°		38.2°
	H	1.1 "	48.2°	1"	43.9°	2/3"	30.9°
	V		36.2°		33.6°		23.4°
Operating Temperature		-10°C ~ +50°C					

Distortion	1.1"	-0.5%(y=8.8)	1"	-0.6%(y=8.0)	2/3"	-0.6%(y=5.5)
Back Focal Length	9.4mm					
Flange Back Length	17.526mm					
Mount	C-Mount					
Filter Size	M34.0 P=0.5mm					
Dimensions	ϕ 39.5mm x 35.2mm					
Weight	91g					

Working Distance (mm)	Optical Magnification	Extension Ring (mm)	Field of View(mm)					
			1.1"		1"		2/3"	
			H	V	H	V	H	V
1000	0.016	-	890.1	651.4	802.4	601.0	550.7	412.4
950	0.017	-	845.4	618.7	762.1	570.9	523.0	391.7
900	0.018	-	800.7	586.0	721.8	540.7	495.4	371.0
850	0.019	-	756.2	553.5	681.7	510.7	467.9	350.5
800	0.020	-	711.5	520.8	641.5	480.5	440.3	329.8
750	0.021	-	666.9	488.1	601.2	450.4	412.7	309.1
700	0.023	-	622.2	455.4	560.9	420.2	385.0	288.4
650	0.025	-	577.4	422.7	520.6	390.0	357.4	267.7
600	0.027	-	532.7	390.0	480.3	359.9	329.7	247.0
550	0.029	-	488.1	357.3	440.0	329.7	302.1	226.3
500	0.032	-	443.4	324.6	399.8	299.6	274.5	205.6
450	0.036	-	398.7	291.9	359.5	269.4	246.9	184.9
400	0.040	-	353.9	259.2	319.2	239.2	219.2	164.2
350	0.046	-	309.3	226.5	278.9	209.1	191.6	143.5
300	0.054	-	264.6	193.8	238.6	178.9	163.9	122.8
250	0.063	1.0	227.8	166.3	205.1	153.3	140.5	105.1
200	0.079	1.0	181.4	132.5	163.4	122.2	111.9	83.8
150	0.106	1.0	135.1	98.8	121.7	91.1	83.5	62.5
100	0.156	2.0	92.1	67.2	82.9	61.9	56.7	42.5

Fiel of View = CCD Size / Optical Magnification

NEW

V2528-MPY

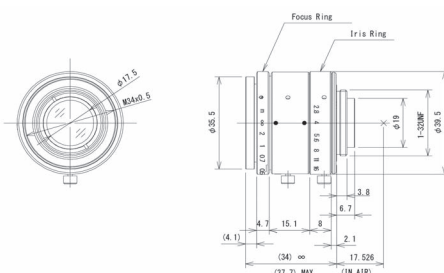
1.1"

12MP

FIX

MANUAL

FLOATING



Focal Length		25mm					
Max. Aperture Ratio		1:2.8					
Max. Image Format		14.2mm x 10.4mm (ϕ 17.6mm)					
Operation Range	Iris	F2.8 - F16.0					
	Focus	0.3m - Inf.					
Control	Iris	Manual					
	Focus	Manual					
Object Dimension at M.O.D.		158.7(H)mm x 116.2(V)mm 1.1"					
Angle of View	D		38.7°		35.4°		24.8°
	H	1.1"	31.7°	1"	28.7°	2/3"	20.0°
	V		23.5°		21.7°		15.0°
Operating Temperature		-10°C ~ +50°C					

Distortion	1.1"	0.3%(y=8.8)	1"	0.2%(y=8.0)	2/3"	0.1%(y=5.5)
Back Focal Length	11.3mm					
Flange Back Length	17.526mm					
Mount	C-Mount					
Filter Size	M34.0 P=0.5mm					
Dimensions	ϕ 39.5mm x 34mm					
Weight	78g					

Working Distance (mm)	Optical Magnification	Extension Ring (mm)	Field of View(mm)					
			1.1"		1"		2/3"	
			H	V	H	V	H	V
1000	0.026	-	555.5	407.0	500.8	375.7	344.4	258.3
950	0.027	-	527.3	386.3	475.4	356.6	326.9	245.2
900	0.028	-	499.0	365.6	449.9	337.5	309.3	232.0
850	0.030	-	470.7	344.8	424.4	318.3	291.8	218.9
800	0.032	-	442.4	324.1	398.8	299.1	274.2	205.7
750	0.034	-	414.1	303.3	373.3	280.0	256.6	192.5
700	0.037	-	385.7	282.5	347.7	260.8	239.0	179.3
650	0.040	-	357.4	261.7	322.1	241.6	221.5	166.1
600	0.043	-	329.0	240.9	296.6	222.4	203.9	152.9
550	0.047	-	300.7	220.2	271.0	203.2	186.3	139.7
500	0.052	-	272.2	199.3	245.3	184.0	168.6	126.5
450	0.058	-	243.9	178.5	219.8	164.8	151.1	113.3
400	0.066	-	215.5	157.7	194.2	145.6	133.4	100.1
350	0.076	-	187.1	136.9	168.6	126.4	115.8	86.9
300	0.090	-	158.7	116.2	143.0	107.2	98.3	73.7
250	0.108	0.5	131.9	96.5	118.8	89.0	81.6	61.2
200	0.135	1.5	105.6	77.2	95.1	71.3	65.3	48.9
150	0.183	2.5	78.0	57.0	70.3	52.6	48.2	36.1
100	0.281	5.0	50.9	37.2	45.8	34.3	31.4	23.5

Fiel of View = CCD Size / Optical Magnification

C-MOUNT
1.1" 12MP

1.1" 12 MEGA PIXEL C-MOUNT LENS

MACHINE VISION LENS

- 8, 12, 16, 25, 35, 50mm. 6 Lens Series
- Compatible with 1.1" (ϕ 17.6mm) Large Format Sensor

- Ultra-High Resolution 12MP
- Compact 1.1" Design (smallest 12MP lens in the industry)

NEW

V3528-MPY

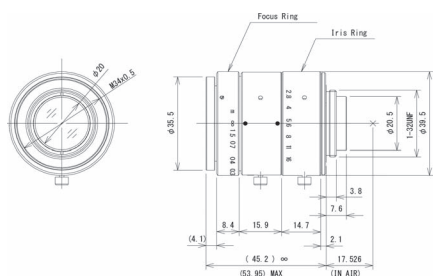
1.1"

12MP

FIX

MANUAL

FLOATING



Focal Length		35mm					
Max. Aperture Ratio		1:2.8					
Max. Image Format		14.2mm x 10.4mm (ϕ 17.6mm)					
Operation Range	Iris	F2.8 - F16.0					
	Focus	0.3m - Inf.					
Control	Iris	Manual					
	Focus	Manual					
Object Dimension at M.O.D.		109.3(H)mm x 80.1(V)mm 1.1"					
Angle of View	D	1.1"	28.2°	1"	25.8°	2/3"	17.9°
	H		22.9°		20.7°		14.3°
	V		16.9°		15.6°		10.8°
Operating Temperature		-10°C ~ +50°C					

Distortion	1.1"	0.1%(y=8.8)	1"	0.0%(y=8.0)	2/3"	0.0%(y=5.5)
Back Focal Length	11.7mm					
Flange Back Length	17.526mm					
Mount	C-Mount					
Filter Size	M34.0 P=0.5mm					
Dimensions	ϕ 39.5mm x 45.1mm					
Weight	103g					

Working Distance (mm)	Optical Magnification	Extension Ring (mm)	Field of View(mm)					
			1.1"		1"		2/3"	
			H	V	H	V	H	V
1000	0.036	-	393.4	288.2	354.6	266.0	243.9	182.9
950	0.038	-	373.0	273.2	336.2	252.2	231.2	173.4
900	0.040	-	352.7	258.4	317.9	238.5	218.6	164.0
850	0.043	-	332.4	243.5	299.6	224.7	206.0	154.5
800	0.046	-	312.1	228.6	281.3	211.0	193.5	145.1
750	0.049	-	291.8	213.8	263.1	197.3	180.9	135.7
700	0.052	-	271.6	198.9	244.8	183.6	168.3	126.3
650	0.057	-	251.3	184.1	226.5	169.9	155.8	116.8
600	0.061	-	231.0	169.2	208.2	156.2	143.2	107.4
550	0.067	-	210.7	154.3	189.9	142.5	130.6	98.0
500	0.075	-	190.4	139.5	171.6	128.8	118.0	88.6
450	0.083	-	170.1	124.6	153.4	115.1	105.5	79.1
400	0.095	-	149.8	109.8	135.1	101.3	92.9	69.7
350	0.110	-	129.5	94.9	116.8	87.6	80.3	60.3
300	0.130	-	109.3	80.1	98.5	73.9	67.8	50.8
250	0.157	1.5	90.4	66.2	81.5	61.1	56.0	42.0
200	0.201	3.0	70.9	51.9	63.9	47.9	43.9	32.9
150	0.277	6.0	51.6	37.7	46.5	34.8	31.9	23.9
100	0.435	15.0	32.9	24.0	29.6	22.2	20.3	15.2

Fiel of View = CCD Size / Optical Magnification

NEW

V5028-MPY

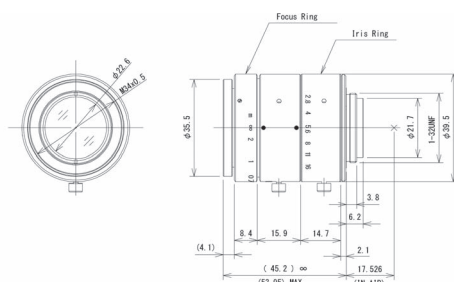
1.1"

12MP

FIX

MANUAL

FLOATING



Focal Length	50mm						
Max. Aperture Ratio	1:2.8						
Max. Image Format	14.2mm x 10.4mm (ϕ 17.6mm)						
Operation Range	Iris	F2.8 - F16.0					
	Focus	0.5m - Inf.					
Control	Iris	Manual					
	Focus	Manual					
Object Dimension at M.O.D.		115.9(H)/mm x 84.8(V)/mm 1.1"					
Angle of View	D		20.0°		18.2°		12.6°
	H	1.1"	16.2°	1"	14.6°	2/3"	10.1°
	V		11.9°		11.0°		7.6°
Operating Temperature		-10° C ~ +50° C					

Distortion	1.1"	0.1%(y=8.8)	1"	0.1%(y=8.0)	2/3"	0.1%(y=5.5)
Back Focal Length	11.9mm					
Flange Back Length	17.526mm					
Mount	C-Mount					
Filter Size	M34.0 P=0.5mm					
Dimensions	ϕ 39.5mm x 45.1mm					
Weight	107g					

Working Distance (mm)	Optical Magnification	Extension Ring (mm)	Field of View(mm)					
			1.1"		1"		2/3"	
			H	V	H	V	H	V
1000	0.055	-	257.9	188.9	232.5	174.4	159.8	119.9
950	0.058	-	243.7	178.5	219.7	164.7	151.0	113.3
900	0.062	-	229.5	168.1	206.9	155.1	142.2	106.7
850	0.066	-	215.3	157.6	194.0	145.5	133.4	100.0
800	0.071	-	201.1	147.2	181.2	135.9	124.6	93.4
750	0.076	-	186.9	136.8	168.4	126.3	115.8	86.8
700	0.082	-	172.7	126.4	155.6	116.7	107.0	80.2
650	0.090	-	158.5	116.0	142.8	107.1	98.2	73.6
600	0.099	-	144.2	105.6	130.0	97.5	89.4	67.0
550	0.109	-	130.0	95.2	117.2	87.9	80.6	60.4
500	0.123	-	115.9	84.8	104.4	78.3	71.8	53.8
450	0.138	1.0	103.1	75.4	92.9	69.6	63.8	47.9
400	0.158	2.0	89.9	65.8	81.0	60.7	55.7	41.7
350	0.181	5.0	78.5	57.4	70.7	53.0	48.6	36.4
300	0.222	6.0	64.2	47.0	57.8	43.3	39.7	29.8
250	0.276	10.0	51.7	37.8	46.6	34.9	32.0	24.0
200	0.373	15.0	38.2	27.9	34.4	25.8	23.6	17.7
150	0.583	25.0	24.5	17.9	22.1	16.5	15.1	11.3
100	1.255	61.5	11.3	8.3	10.2	7.7	7.0	5.3

Fiel of View = CCD Size / Optical Magnification