

Table for WD, FOV and Extension Tube Length

Extension Tube (mm)	Model Focal Length Focus	VS-1214H1 f12 300~∞		VS-1614H1N f16 300~∞		VS-2514H1 f25 300~∞		VS-3514H1 f35 300~∞		VS-5018H1 f50 500~∞	
		0	WD	300		300		300		300	
1"		295.5x295.5		211.3x211.3		136.8x136.8		95.7x95.7		111.7x111.7	
2/3"-5M		186.4x220.5		133.2x157.6		86.3x102.1		60.3x71.4		70.4x83.3	
Mag.		0.038x		0.053x		0.082x		0.118x		0.101x	
0.5	WD	270.3	134.0	521.3	187.6	1262.1	240.3	2508.7	267.8	4997.4	454.6
1"		268.1x268.1	140.8x140.8	363.2x363.2	134.0x134.0	563.0x563.0	110.4x110.4	804.3x804.3	85.3x85.3	1126.0x1126.0	101.4x101.4
2/3"-5M		169.0x200.0	88.8x105.0	229.0x271.0	84.5x100.0	355.0x420.0	69.6x82.4	507.1x600.0	53.8x63.6	710.0x840.0	64.0x75.7
Mag.		0.042x	0.080x	0.031x	0.084x	0.020x	0.102x	0.014x	0.132x	0.010x	0.111x
1	WD	128.5	82.9	261.2	136.3	626.6	199.4	1255.3	242.3	2501.1	417.4
1"		135.7x135.7	93.1x93.1	184.6x184.6	98.8x98.8	281.5x281.5	92.3x92.3	402.1x402.1	77.1x77.1	563.0x563.0	93.1x93.1
2/3"-5M		85.5x101.2	58.7x69.4	116.4x137.7	62.3x73.7	177.5x210.0	58.2x68.9	253.6x300.0	48.6x57.5	355.0x420.0	58.7x69.4
Mag.		0.083x	0.121x	0.061x	0.114x	0.040x	0.122x	0.028x	0.146x	0.020x	0.121x
1.5	WD	79.7	57.3	170.7	105.6	421.9	171.4	837.5	221.2	1669.0	385.9
1"		90.1x90.1	69.1x69.1	122.4x122.4	77.7x77.7	190.8x190.8	79.9x79.9	268.1x268.1	70.4x70.4	375.3x375.3	86.0x86.0
2/3"-5M		56.8x67.2	43.6x51.5	77.2x91.3	49.0x57.9	120.3x142.4	50.4x59.6	169.0x200.0	44.4x52.5	236.7x280.0	54.2x64.1
Mag.		0.125x	0.163x	0.092x	0.145x	0.059x	0.141x	0.042x	0.160x	0.030x	0.131x
2	WD	55.9	42.4	126.9	86.2	312.9	149.0	617.6	202.4	1253.0	358.9
1"		67.8x67.8	55.2x55.2	92.3x92.3	64.3x64.3	142.5x142.5	69.9x69.9	197.5x197.5	64.3x64.3	281.5x281.5	79.9x79.9
2/3"-5M		42.8x50.6	34.8x41.2	58.2x68.9	40.6x48.0	89.9x106.3	44.1x52.2	124.6x147.4	40.6x48.0	177.5x210.0	50.4x59.6
Mag.		0.166x	0.204x	0.122x	0.175x	0.079x	0.279x	0.057x	0.260x	0.040x	0.141x
5	WD			46.3	38.3	120.1	82.2	249.0	136.9	504.1	253.2
1"				36.9x36.9	31.5x31.5	57.2x57.2	40.4x40.4	79.3x79.3	43.3x43.3	112.6x112.6	56.0x56.0
2/3"-5M				23.3x27.5	19.8x23.5	36.0x42.6	25.4x30.1	50.0x59.2	27.3x32.3	71.0x84.0	35.3x41.8
Mag.				0.305x	0.358x	0.197x	0.476x	0.142x	0.403x	0.100x	0.201x
10	WD					55.6	44.5	125.0	89.0	254.4	170.7
1"						28.6x28.6	23.7x23.7	39.5x39.5	27.9x27.9	56.3x56.3	37.4x37.4
2/3"-5M						18.0x21.3	14.9x17.6	24.9x29.5	17.6x20.8	35.5x42.0	23.6x27.9
Mag.						0.394x	0.476x	0.285x	0.403x	0.200x	0.301x
15	WD							84.1	66.3	171.2	129.3
1"								26.4x26.4	20.7x20.7	37.5x37.5	28.1x28.1
2/3"-5M								16.6x19.7	13.0x15.4	23.7x28.0	17.7x20.9
Mag.								0.427x	0.545x	0.300x	0.401x
20	WD							63.5	52.9	129.6	104.5
1"								19.8x19.8	16.4x16.4	28.2x28.2	22.5x22.5
2/3"-5M								12.5x14.7	10.3x12.2	17.8x21.0	14.2x16.8
Mag.								0.570x	0.688x	0.400x	0.501x
25	WD							51.2	44.2	104.5	87.8
1"								15.8x15.8	13.6x13.6	22.5x22.5	18.7x18.7
2/3"-5M								10.0x11.8	8.6x10.1	14.2x16.8	11.8x14.0
Mag.								0.712x	0.830x	0.501x	0.602x
30	WD							42.9	38.0	87.9	75.9
1"								13.2x13.2	11.6x11.6	18.7x18.7	16.0x16.0
2/3"-5M								8.3x9.8	7.3x8.6	11.8x14.0	10.1x12.0
Mag.								0.855x	0.973x	0.601x	0.702x
35	WD							37.1	33.4	76.0	67.1
1"								11.3x11.3	10.1x10.1	16.1x16.1	14.0x14.0
2/3"-5M								7.1x8.4	6.4x7.5	10.1x12.0	8.9x10.5
Mag.								0.997x	1.115x	0.701x	0.802x
40	WD									67.1	60.2
1"										14.1x14.1	12.5x12.5
2/3"-5M										8.9x10.5	7.9x9.3
Mag.										0.801x	0.902x
45	WD									60.2	54.6
1"										12.5x12.5	11.2x11.2
2/3"-5M										7.9x9.3	7.1x8.4
Mag.										0.901x	1.002x
50	WD									54.7	50.1
1"										11.2x11.2	10.2x10.2
2/3"-5M										7.1x8.4	6.4x7.6
Mag.										1.001x	1.102x

Description of the table above

Extension Tube (mm)	Model Focal Length Focus	VS-○○○○○H1 (f)		Object Distance (mm)
		0.5m ~ ∞		
5	WD	103	130	→ The distance between the object and front of the lens
	1/3"	14x19	19x25	→ FOV at 1/3" sensor
	1/2"	18x24	24x32	→ FOV at 1/2" sensor
	Mag.	0.25x	0.20x	→ Optical Magnification

↓ Length of Extension Tube