

Technical drawing of the optical system showing the object space, image, and C-Mount dimensions. The drawing includes a central optical axis with a dashed line representing the light path. Key dimensions and labels include:

- Object space:** Indicated by a dashed line and a label "Object space".
- Image:** Indicated by a dashed line and a label "Image".
- C-Mount:** Indicated by a label "C-Mount" and a dimension of $\varnothing 51 \pm 0.03$.
- Dimensions:**
 - Overall length: 79.7
 - Distance from object space to image: 49.5 ± 0.05
 - Distance from object space to image (alternative): 75-6H
 - Distance from object space to image (alternative): 1.5 2.0 4.0 10
 - Distance from object space to image (alternative): 16 8 5.8 4 2.8 2.4
 - Distance from object space to image (alternative): 7.9 4
 - Distance from object space to image (alternative): 9
 - Distance from object space to image (alternative): 76mm 12.4 1.1 C-Mount

S11MV7524-20M 75mm 1:2.4 1.1" C 12M				Working Distance (mm)	Optical Magnification	Filed of View (mm) 1.1" (14.08mmX10.56mm)		
Focal Length		75mm		-	-	H	V	
Max. Aperture Ratio		1:2.4		1300	0.0601X	234.28	175.71	
F/# Range		F2.4-F16		1250	0.0626X	224.92	168.69	
Focus Range		500mm-Inf		1200	0.0653X	215.62	161.72	
Max. Image Size		1.1" (φ17.6mm)		1150	0.0683X	206.15	154.61	
Working Distance		500mm	1000mm	Inf	1100	0.0716X	196.65	147.49
Object Dimension	D	103.04mm	222.22mm	/	1050	0.0752X	187.23	140.43
	H	82.44mm	177.78mm	/	1000	0.0792X	177.78	133.33
	V	61.83mm	133.33mm	/	950	0.0837X	168.22	126.16
Angle of View	D	11.04°	12.15°	13.37°	900	0.0887X	158.74	119.05
	H	8.86°	9.75°	10.72°	850	0.0943X	149.31	111.98
	V	6.41°	7.20°	8.05°	800	0.1007X	139.82	104.87
Optical Distortion		0.1040%	0.1187%	0.1774%	750	0.1081X	130.25	97.69
TV Distortion		0.0316%	0.0358%	0.0525%	700	0.1166	120.75	90.57
Relative Illumination		90.28%	86.67%	79.35%	650	0.1266X	111.22	83.41
Back Focal Length		12.84mm		600	0.1385X	101.66	76.25	
Flange Focal Distance		17.526mm in Air		550	0.1529X	92.09	69.06	
Mount		C-Mount		500	0.1708X	82.44	61.83	
Filter Screw Size		M4X0.75		/	/	/	/	
Operating Temperature		-20℃ ~ +60℃		/	/	/	/	
Storage Temperature		-20℃ ~ +60℃		/	/	/	/	
Weight				/	/	/	/	