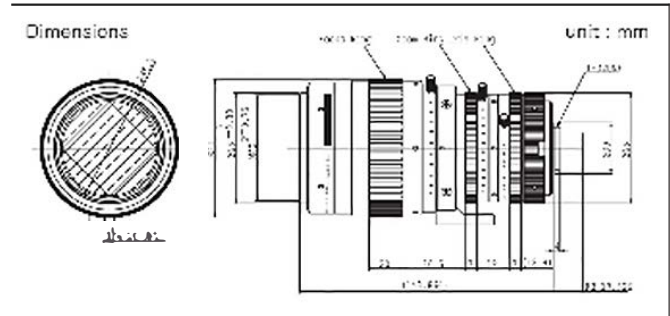
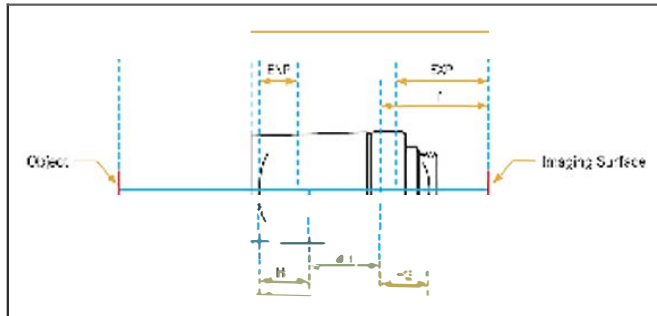


Optical Magnification	0.57X – 0.5X
Max. Magnification	47.85 – 106.26mm
Max Aperture Ratio	1 : 4.3
Operation Range	iris F4.3-F32
	Focus 152 mm – 577.2 mm
	iris Manual operation
Control	Focus Manual operation
	Zcorr Manual operation
Operating Temperature	-10°C – 50°C

Optical Distortion	tele	1.1%	1.0%	1%	0.84%	2/3%	0.39%
	wide	-1.7%	-1.7%	-1.7%	-1.45%	-1.45%	-0.7%
Backfocal Length	tele	39.53mm					
	wide	49.75mm					
Flange Back Length	17.526 mm						
Mount	C Mount						
Filter Size	M62xP0.75						
Dimensions	ø 61 x 152.86mm						
Weight							

**Optical Data**



		Front Principal Point	Second Principal Point	L1-L2-L3		Back Focus	Front Principal Point	Entrance Pupil Diameter	Entrance Pupil Position	Exit Pupil Diameter	Exit Pupil Position	Distortion	Extension	d
		H	H'	L1	L2	L3		ENP	ENP					
TEC-V7X	Tele	106.26	136.10	12.50	-134.50	122.40	39.53		53.04	375.00				
	Wide	47.85	-142.10	110.50	-33.21	112.10		161.91	11.00	126.90		1.00	-1.70	

\* First Principal Point and Entrance Pupil Position are calculated from front lens  
 \*\* Second Principal Point and Exit Pupil Position are calculated from rear lens

**TEC-V7X Field of view(mm)**

Working Distance (mm)	Circle of Confusion	1.1 inch			1.5 inch			2.0 inch		
		H	V	D	H	V	D	H	V	D
Wide	0.2525	48.74	48.74	69.12	50.32	39.06	63.26	34.88		
	0.3642	53.64	53.64	47.53	34.72	28.3	43.6	24.12	19.1	
	0.5	24.6	24.6	34.75	25.4	19.247	31.96	17.85	13.76	
Middle	0.2256	54.52	54.52	75.94	42.56	70.84	39			43.76
	0.3256	37.82	37.82	32.95	29.4	48.76	26.96	20.24	33.87	
	0.4451	27.5	27.5	39.60	28.59	21.51	36.54	13.72	14.61	24.62
Tele	0.1411	87.46	87.46	124.06	56.10	114.1	62.46	46.0	78.178	
	0.2017	60.24	60.24	65.34	52.10	47.06	78.16	42.15	32.36	53.888
	0.2784	44	44	61.94	45.42	57.46	31.58	23.89	39.38	
Wide	0.1637	119.47	119.47	189.98		155.05	85.2	53.82	106.71	
	0.1495	82.15	82.15	115.97		54.16	106.72	58.92	44.12	73.48
	0.2042	59.98	59.98	61.52	61.92	46.39	77.82	43	32.28	53.7
Middle	0.082	151.25	151.24	215.14	56.25	117.87	197.8	107.28	80.88	135.04
	0.1183	103.92	103.92	146.82	107.28	81.12	135	74.37	55.78	92.94
	0.1617	75.34	75.34	100.39	78.29	59.28	96.4	54.36	40.8	67.88
Tele	0.0702	175.21	175.21	250.06	187.4	136.35	229.82	125.08	93.02	156.76
	0.102	120.57	120.57	170.44	124.47	94.1	156.74	86.28	64.72	107.94
	0.1398	87.36	87.36	124.04	90.8	68.75	114.16	63.06	47.32	78.74



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