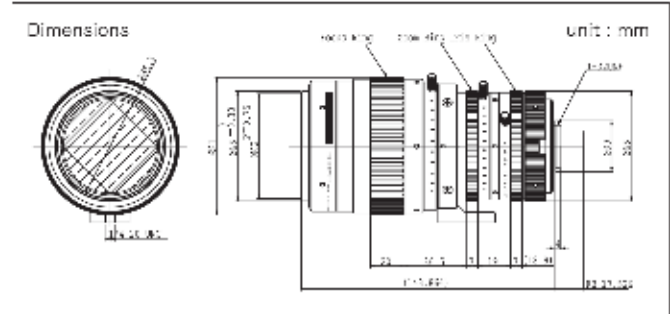
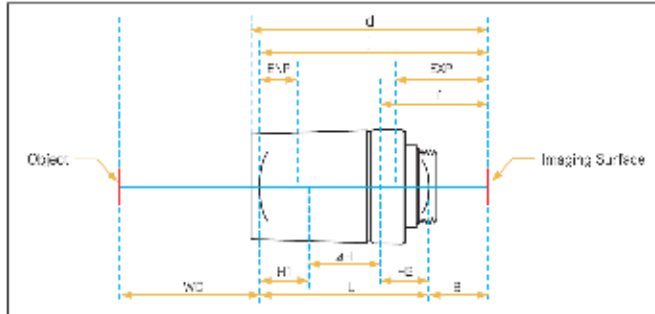


Optical Magnification	0.07X – 0.5X
Max.Magnification	47.85 – 106.26mm
Max.Aperture Ratio	1 : 4.3
Operation range	Iris F4.3-F32
	Focus 182 mm – 577.2 mm
Control	Iris Manual operation
	Focus Manual operation
	Zoom Manual operation
Operating Temperature	-10°C ~ 50°C

Optical distortion	tele	1.1°	1.0%	1°	0.84%	2/3°	0.39%
	wide		-1.7%		-1.45%		-0.7%
BackFocal Length	tele	39.53mm					
	wide	49.78mm					
Flange Back Length	17.526 mm						
Mount	C Mount						
Filter Size	M62xP0.75						
Dimensions	φ 61 x 152.86mm						
Weight	1.4kg						

Optical Data



	Focal Length	First Principal Point	Second Principal Point	L(H1-H2)	Total length	Back Focus	Second Principal Point	Entrance Pupil Diameter	Entrance Pupil Position	Exit pupil Diameter	Exit pupil Position	Distortion	Extension	Length	
	f	H1	H2	L/H	L	B	l	ENP	ENP	EXP	EXP			d	
TEC-V7X	Tele	106.26	-136.10	12.50	-134.50	122.40	39.53	161.93	53.04	375.00	16.50	38.96	1.00	-	160.89
	Wide	47.85	-143.10	110.50	-33.21	112.10	49.78	161.91	11.00	126.90	16.50	38.96	-1.70	-	160.89

*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)	Optical Magnification	1.1 inch			1 inch			2/3 inch			
		H	V	D	H	V	D	H	V	D	
182	Wide	0.2525	48.74	48.74	69.12	50.32	39.06	63.26	34.86	26.16	43.6
	Middle	0.3643	33.64	33.64	47.33	34.72	26.3	43.6	24.12	19.1	30.11
	Tele	0.5	24.6	24.6	34.75	25.4	19.246	31.86	17.65	13.26	22
200	Wide	0.2258	54.52	54.52	78.94	58.3	42.56	70.84	39	29.24	48.76
	Middle	0.3258	37.62	37.62	52.95	38.83	29.4	48.78	26.96	20.24	33.67
	Tele	0.4461	27.5	27.5	39.60	28.30	21.51	35.54	19.72	14.61	24.62
300	Wide	0.1413	87.46	87.46	124.06	80.34	66.18	114.1	62.46	46.8	78.178
	Middle	0.2037	60.24	60.24	85.34	62.18	47.06	78.18	42.15	32.36	53.888
	Tele	0.2784	44	44	61.94	45.42	34.3	57.46	31.55	23.69	38.38
400	Wide	0.1037	119.47	119.47	189.98	123.4	93.02	155.05	85.2	63.82	106.71
	Middle	0.1495	82.15	82.15	115.97	84.8	64.16	106.72	58.82	44.12	73.48
	Tele	0.2042	59.99	59.99	84.52	61.92	46.89	77.82	43	32.28	53.7
500	Wide	0.082	151.25	151.24	215.44	98.25	117.87	197.8	107.76	80.88	135.04
	Middle	0.1183	103.92	103.92	146.82	107.28	81.12	135	74.37	55.78	92.94
	Tele	0.1617	75.84	75.84	106.89	78.29	59.28	96.4	54.36	40.8	67.88
577.5	Wide	0.0708	175.21	175.21	250.66	181.4	136.35	229.82	125.08	93.02	156.76
	Middle	0.102	120.57	120.57	170.44	124.47	94.1	156.74	86.28	64.72	107.94
	Tele	0.1398	87.96	87.96	124.04	90.8	68.75	114.16	63.06	47.32	78.74