

Specification Sheet

TVR1620HDPIR 1/2" f=16-48mm 5.0Megapixel IR-corrected Varifocal Lens

1 Optical Specification

- 1-1 image format
1/2inch (image circle 8.8mm)
- 1-2 Focal Length
f=16-48mm
- 1-3 Max. Aperture
F2.0
- 1-4 Angle of view
Horizontal wide 25.8 Tele 8.8
Vertical wide 19.04 Tele 6.42
Diagonal wide 32.8 Tele 10.66
- 1-5 M.O.D.
4.15m (Wide)
- 1-6 Back Focus
8.81mm(Wide)
- 1-7 Flange Back
12.5mm

2 Mechanical Specification

- 2-1 Mount
CS-mount
- 2-2 Filter Screw Size
M37.5 P=0.5
- 2-3 Dimensions, weight
40.0x73.5, apporox.150g

3 Focus

3-1 Operation

Manual

4 Zoom

4-1 Operation

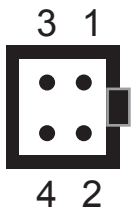
Manual

5 Iris

5-1 Operation

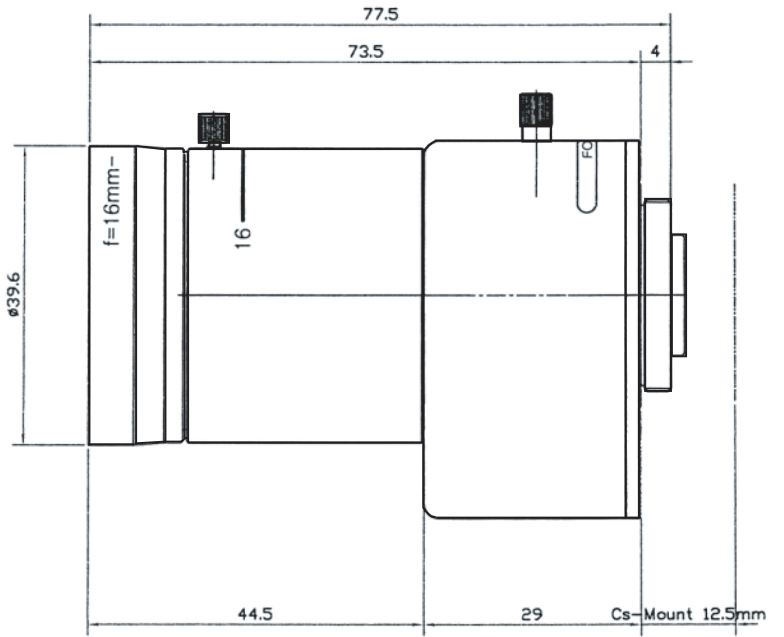
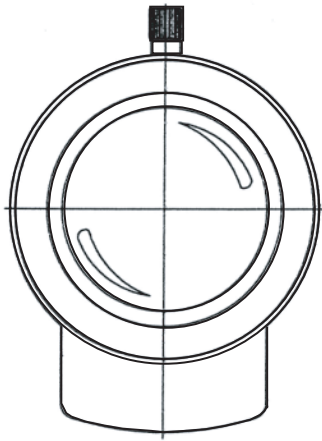
P-Iris

5-2 Pin assignment on P-Iris connector



Pin NO.	STEP	1	2	3	4
	PHASE				
1	A	H	L	L	H
2	\bar{A}	L	H	H	L
3	B	H	H	L	L
4	\bar{B}	L	L	H	H

Tokina



P-Iris step/Aperture Area

STEP	Aperture Area (sqm)	F number		STEP	Aperture Area (sqm)	F number
1	87.3034	1.5		41	22.8664	2.931
2	85.9946	1.511		42	21.5212	3.021
3	84.6334	1.523		43	20.2036	3.118
4	83.1982	1.537		44	18.9155	3.223
5	81.7144	1.55		45	17.6581	3.335
6	80.1862	1.565		46	16.4336	3.457
7	78.6134	1.581		47	15.2433	3.59
8	76.9992	1.597		48	14.0893	3.734
9	75.342	1.615		49	12.9737	3.891
10	73.6432	1.633		50	11.8983	4.063
11	71.9024	1.653		51	10.8655	4.252
12	70.131	1.674		52	9.8784	4.459
13	68.3518	1.695		53	8.9388	4.688
14	66.566	1.718		54	8.0503	4.94
15	64.7742	1.741		55	7.2149	5.218
16	62.9784	1.766		56	6.4433	5.521
17	61.1898	1.792		57	5.7341	5.853
18	59.4124	1.818		58	5.0931	6.21
19	57.6464	1.846		59	4.5089	6.6
20	55.8926	1.875		60	3.9689	7.035
21	54.1518	1.905		61	3.4667	7.527
22	52.4244	1.936		62	3.0004	8.091
23	50.711	1.968		63	2.5697	8.743
24	49.0124	2.002		64	2.1741	9.505
25	47.3288	2.037		65	1.8132	10.408
26	45.6612	2.074		66	1.4866	11.495
27	44.0095	2.113		67	1.1939	12.827
28	42.375	2.153		68	0.9345	14.498
29	40.7578	2.195		69	0.7079	16.658
30	39.1582	2.24		70	0.5137	19.555
31	37.5768	2.286		71	0.3511	23.653
32	36.0142	2.335		72	0.2197	29.901
33	34.4708	2.387		73	0.1189	40.646
34	32.9468	2.442		74	0.048	63.971
35	31.4428	2.499		75	0.0065	173.84
36	29.9592	2.561		76	0	-
37	28.4962	2.626		77	0	-
38	27.0544	2.695		78	0	-
39	25.6344	2.768		79	0	-
40	24.2382	2.847		80	0	-