

NIR Zoom 70XL SPECIFICATIONS *

Zoom Auxiliary		0.5X TUBE		0.67X TUBE		1.0X TUBE		1.5X TUBE		2.0X TUBE	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
0.5X 49-20-11 WD: 181mm	NA	0.012	0.040	0.012	0.040	0.012	0.040	0.012	0.040	0.012	0.040
	MAG	0.19	1.3	0.25	1.7	0.38	2.6	0.56	3.9	0.75	5.2
	F. 1/4"	14.5 x 19.4	2.0 x 2.7	10.9 x 14.5	1.5 x 2.0	7.2 x 9.7	1.0 x 1.3	4.8 x 6.4	0.69 x 0.92	3.6 x 4.8	0.52 x 0.69
	O. 1/3"	19.1 x 25.5	2.7 x 3.6	14.3 x 19.1	2.0 x 2.7	9.5 x 12.7	1.3 x 1.8	6.3 x 8.5	0.91 x 1.2	4.7 x 6.3	0.68 x 0.91
	V. 1/2"	25.5 x 34.0	3.6 x 4.8	19.1 x 25.5	2.7 x 3.6	12.7 x 17.0	1.8 x 2.4	8.5 x 11.3	1.2 x 1.6	6.3 x 8.5	0.91 x 1.2
mm 2/3"			26.3 x 35.1	3.7 x 5.0	17.5 x 23.4	2.5 x 3.3	11.7 x 15.6	1.6 x 2.2	8.7 x 11.7	1.2 x 1.6	
0.75X 49-20-12 WD: 110mm	NA	0.018	0.060	0.018	0.060	0.018	0.060	0.018	0.060	0.018	0.060
	MAG	0.28	2.0	0.38	2.6	0.56	3.9	0.84	5.9	1.1	7.9
	F. 1/4"	9.6 x 12.9	1.3 x 1.8	7.2 x 9.7	1.0 x 1.3	4.8 x 6.4	0.69 x 0.92	3.2 x 4.3	0.46 x 0.61	2.4 x 3.2	0.34 x 0.46
	O. 1/3"	12.7 x 17.0	1.8 x 2.4	9.5 x 12.7	1.3 x 1.8	6.3 x 8.5	0.91 x 1.2	4.2 x 5.6	0.61 x 0.81	3.1 x 4.2	0.45 x 0.61
	V. 1/2"	17.0 x 22.7	2.4 x 3.2	12.7 x 17.0	1.8 x 2.4	8.5 x 11.3	1.2 x 1.6	5.6 x 7.5	0.81 x 1.0	4.2 x 5.6	0.61 x 0.81
mm 2/3"			17.5 x 23.4	2.5 x 3.3	11.7 x 15.6	1.6 x 2.2	7.8 x 10.4	1.1 x 1.4	5.8 x 7.8	0.84 x 1.1	
1.0X WD: 89mm	NA	0.024	0.080	0.024	0.080	0.024	0.080	0.024	0.080	0.024	0.080
	MAG	0.38	2.6	0.50	3.5	0.75	5.2	1.1	7.9	1.5	10.5
	F. 1/4"	7.2 x 9.7	1.0 x 1.3	5.4 x 7.2	0.78 x 1.0	3.6 x 4.8	0.52 x 0.69	2.4 x 3.2	0.34 x 0.46	1.8 x 2.4	0.26 x 0.34
	O. 1/3"	9.5 x 12.7	1.3 x 1.8	7.1 x 9.5	1.0 x 1.3	4.7 x 6.3	0.68 x 0.91	3.1 x 4.2	0.45 x 0.61	2.3 x 3.1	0.34 x 0.45
	V. 1/2"	12.7 x 17.0	1.8 x 2.4	9.5 x 12.7	1.3 x 1.8	6.3 x 8.5	0.91 x 1.2	4.2 x 5.6	0.61 x 0.81	3.1 x 4.2	0.45 x 0.61
mm 2/3"			13.1 x 17.5	1.8 x 2.5	8.7 x 11.7	1.2 x 1.6	5.8 x 7.8	0.84 x 1.1	4.3 x 5.8	0.63 x 0.84	
1.5X 49-20-13 WD: 53mm	NA	0.036	0.12	0.036	0.12	0.036	0.12	0.036	0.12	0.036	0.12
	MAG	0.56	3.9	0.75	5.2	1.1	7.9	1.7	11.8	2.3	15.7
	F. 1/4"	4.8 x 6.4	0.69 x 0.92	3.6 x 4.8	0.52 x 0.69	2.4 x 3.2	0.34 x 0.46	1.6 x 2.1	0.23 x 0.30	1.2 x 1.6	0.17 x 0.23
	O. 1/3"	6.3 x 8.5	0.91 x 1.2	4.7 x 6.3	0.68 x 0.91	3.1 x 4.2	0.45 x 0.61	2.1 x 2.8	0.30 x 0.40	1.5 x 2.1	0.22 x 0.30
	V. 1/2"	8.5 x 11.3	1.2 x 1.6	6.3 x 8.5	0.91 x 1.2	4.2 x 5.6	0.61 x 0.81	2.8 x 3.7	0.40 x 0.54	2.1 x 2.8	0.30 x 0.40
mm 2/3"			8.7 x 11.7	1.2 x 1.6	5.8 x 7.8	0.84 x 1.1	3.9 x 5.2	0.56 x 0.74	2.9 x 3.9	0.42 x 0.56	
2.0X 49-20-14 WD: 35.0mm	NA	0.048	0.16	0.048	0.16	0.048	0.16	0.048	0.16	0.048	0.16
	MAG	0.75	5.2	1.0	7.0	1.5	10.5	2.3	15.7	3.0	21.0
	F. 1/4"	3.6 x 4.8	0.52 x 0.69	2.7 x 3.6	0.39 x 0.52	1.8 x 2.4	0.26 x 0.34	1.2 x 1.6	0.17 x 0.23	0.90 x 1.2	0.13 x 0.17
	O. 1/3"	4.7 x 6.3	0.68 x 0.91	3.5 x 4.7	0.51 x 0.68	2.3 x 3.1	0.34 x 0.45	1.5 x 2.1	0.22 x 0.30	1.1 x 1.5	0.17 x 0.22
	V. 1/2"	6.3 x 8.5	0.91 x 1.2	4.7 x 6.3	0.68 x 0.91	3.1 x 4.2	0.45 x 0.61	2.1 x 2.8	0.30 x 0.40	1.5 x 2.1	0.22 x 0.30
mm 2/3"			6.5 x 8.7	0.94 x 1.2	4.3 x 5.8	0.63 x 0.84	2.9 x 3.9	0.42 x 0.56	2.1 x 2.9	0.31 x 0.42	

* REFER TO SUPPLEMENTARY CHARTS FOR PERFORMANCE WITH CO-AX & MITUTOYO OBJECTIVES

2/11/2002

NOTE: BLANK AREAS REPRESENT CONDITIONS WHERE ZOOM RANGE IS LIMITED DUE TO VIGNETTING.