

Choice of 5 Magnifications. Range of Models: State V for Video Version State E for Visual Version When Ordering	IMF-2	IMF-3	IMF-4	IMF-5	IMF-6
Magnification with 10X Eyepiece with or without Reticle.	4X - 40X	6X - 60X	8X - 80X	10X - 100X	20X - 200X
Magnification with 20X Eyepiece with or without Reticle.	8X - 80X	12X - 120X	16X - 160X	20X - 200X	40X - 400X
Magnification Video with VATZ-1 a 1X adapter a 2/3 Format Camera and 9" Monitor.	6X - 60X	9X - 90X	12X - 120X	15X - 150X	30X - 300X
Magnification Video with VATZ-2 a 2X adapter a 2/3 Format Camera and 9" Monitor.	12X - 120X	18X - 180X	24X - 240X	30X - 300X	60X - 600X
Magnification Video with VATZ-1 plus 2XL or RARP-3 2/3 Format Camera and 9" Monitor.	12X - 120X	18X - 180X	24X - 240X	30X - 300X	60X - 600X
Magnification Video with VATZ-2 plus 2XL or RARP-3 2/3 Format Camera and 9" Monitor.	24X - 240X	36X - 360X	48X - 480X	Not Practical	Not Practical
Working Distance.	4.25" - Infinity	4.25" - Infinity	4.25" - Infinity	4.25" - Infinity	4.25" - Infinity
Field of View with 10X Eyepiece.	.390" - 8.000"	.266" - 5.500"	.188" - 3.750"	.156" - 3.125"	.078" - 1.625"
Field of View with 20X Eyepiece.	.250" - 5.500"	.164" - 3.500"	.117" - 2.500"	.094" - 2.100"	.051" - 1.000"
Field of View with VATZ-1 a 1X Adapter a 2/3 Format Camera and 9" Monitor. ***	.109" - 2.500"	.078" - 1.750"	.039" - 1.000"	.035" - .500"	.023" - .469"
Field of View with VATZ-2 a 2X Adapter a 2/3 Format Camera and 9" Monitor. ***	.0825" - 1.625"	.055" - 1.3125"	.0300" - .625"	.0278" - .437"	.015" - .250"
Field of View with VATZ-1 and 2XL Adapter a 2/3 Format Camera and 9" Monitor. ***	.0725" - 1.312"	.0475" - .937"	.025" - .500"	.0225" - .437"	.015" - .250"
Field of View with VATZ-2 and 2XL Adapter a 2/3 Format Camera and 9" Monitor. ***	.0375" - .656"	.0275" - .4688"	.015" - .3437"	Not Practical	Not Practical
Depth of Field at Minimum 4.25" Working Distance.	10X E.P. - .181"	10X E.P. - .138"	10X E.P. - .114"	10X E.P. - .089"	10X E.P. - .042"
	20X E.P. - .150"	20X E.P. - .108"	20X E.P. - .088"	20X E.P. - .043"	20X E.P. - .020"
	VATZ-1 - .200"	VATZ-1 - .115"	VATZ-1 - .110"	VATZ-1 - .110"	VATZ-1 - .060"
	VATZ-2 - .102"	VATZ-2 - .090"	VATZ-2 - .070"	VATZ-2 - .070"	VATZ-2 - .040"
	VATZ-1 + 2XL or RARP-3 - .105"	VATZ-1 + 2XL or RARP-3 - .097"	VATZ-1 + 2XL or RARP-3 - .085"	VATZ-1 + 2XL or RARP-3 - .080"	VATZ-1 + 2XL or RARP-3 - .030"
	VATZ-2 + 2XL or RARP-3 - .070"	VATZ-2 + 2XL or RARP-3 - .070"	VATZ-2 + 2XL or RARP-3 - .062"	Not Practical	Not Practical
Depth of Field at Infinity.	10X E.P.- 32.00" +	10X E.P. - 30.00"	10X E.P. - .181"	10X E.P. -14.50"	10X E.P. - 10.00"
	20X E.P. - 30.0"	20X E.P. - 28.00"	20X E.P. - 22.00"	20X E.P. - 12.75"	20X E.P. - 9.75"
	VATZ-1 - 26.50"	VATZ-1 - 22.00"	VATZ-1 - 18.75"	VATZ-1 - 12.75"	VATZ-1 - 9.25"
	VATZ-2 -23.00"	VATZ-2 - 14.00"	VATZ-2 - 17.00"	VATZ-2 - 9.50"	VATZ-2 - 8.00"
	VATZ-1 + 2XL or RARP-3 - 18.00"	VATZ-1 + 2XL or RARP-3 - 12.25"	VATZ-1 + 2XL or RARP-3 - 13.00"	VATZ-1 + 2XL or RARP-3 -8.00"	VATZ-1 + 2XL or RARP-3 - 7.00"
	VATZ-2 + 2XL or RARP-3 - 17.00"	VATZ-2 + 2XL or RARP-3 - 9.50"	VATZ-2 + 2XL or RARP-3 - 10.00"	Not Practical	Not Practical
	10X E.P. - 114 L/MM	10X E.P. - 128 L/MM	10X E.P. - 144 L/MM	10X E.P. - 181 L/MM	10X E.P. - 181 L/MM
	20X E.P. - 114 L/MM	20X E.P. - 128 L/MM	20X E.P. - 144 L/MM	20X E.P. - 181 L/MM	20X E.P. - 181 L/MM
	VATZ-1 -57 L/MM	VATZ-1 - 71.8 L/MM	VATZ-1 - 102 L/MM	VATZ-1 - 114 L/MM	VATZ-1 - 128 L/MM

Resolution Lines per M.M. at 4.25" Minimum Focal Point. *	VATZ-2 - 102 L/MM	VATZ-2 - 114 L/MM	VATZ-2 - 128 L/MM	VATZ-2 - 144 L/MM	VATZ-2 - 161 L/MM
	VATZ-1 + 2XL or RARP-3 - 102 L/MM	VATZ-1 + 2XL or RARP-3 - 114 L/MM	VATZ-1 + 2XL or RARP-3 - 114 L/MM	VATZ-1 + 2XL or RARP-3 - 114 L/MM	VATZ-1 + 2XL or RARP-3 - 114 L/MM
	VATZ-2 + 2XL or RARP-3 - 90.5 L/MM	VATZ-2 + 2XL or RARP-3 - 114 L/MM	VATZ-2 + 2XL or RARP-3 - 114 L/MM	VATZ-2 + 2XL or RARP-3 - 128 L/MM	Not Practical
Resolution Lines per M.M. at Infinity. *	10X E.P. - 4 L/MM	10X E.P. - 5.6 L/MM	10X E.P. - 7.1 L/MM	10X E.P. - 11 L/MM	Not Practical
	20X E.P. - 7.1 L/MM	20X E.P. - 9 L/MM	20X E.P. - 10 L/MM	20X E.P. - 12 L/MM	Not Practical
	VATZ-1 - 2.5 L/MM	VATZ-1 - 3.2 L/MM	VATZ-1 - 5.6 L/MM	VATZ-1 - 7.1 L/MM	Not Practical
	VATZ-2 - 4 L/MM	VATZ-2 - 5.6 L/MM	VATZ-2 - 7.1 L/MM	VATZ-2 - .102"	Not Practical
	VATZ-1 + 2XL - 4 L/MM	VATZ-1 + 2XL - 5.6 L/MM	Not Practical	Not Practical	Not Practical