

Optical data **M30x FreeSight, 720p HD**

On-screen Magnification vs. Optical Magnification, Filed of View and Working Distance at different Zoom Factors

Zoom factor x	Magnification On-screen 24" LCD	Magnification Optical	Field of View [mm]		Working distance [mm]
			FoV (W)	FoV (H)	
1x zoom	1.0 x	0.4 x	543	306	488
x2	2.0 x	0.8 x	254	143	488
x3	3.0 x	1.2 x	171	96	488
x4	4.0 x	1.6 x	130.2	73.3	488
x5	5.0 x	2.0 x	105.0	59.1	488
x6	5.9 x	2.4 x	87.9	49.4	488
x7	6.9 x	2.8 x	75.6	42.5	488
x8	7.8 x	3.2 x	66.3	37.3	488
x9	8.8 x	3.5 x	59.3	33.4	488
x10	9.7 x	3.9 x	53.4	30.0	488
x11	10.7 x	4.3 x	48.6	27.3	488
x12	11.7 x	4.7 x	44.6	25.1	488
x13	12.6 x	5.1 x	41.4	23.3	488
x14	13.5 x	5.5 x	38.4	21.6	488
x15	14.5 x	5.8 x	35.9	20.2	488
x16	15.5 x	6.2 x	33.6	18.9	488
x17	16.3 x	6.6 x	31.9	17.9	488
x18	17.3 x	7.0 x	30.1	16.9	488
x19	18 x	7.4 x	28.4193	16.0	488
x20	19 x	7.8 x	27.0	15.2	488
x21	20 x	8.2 x	25.6	14.4	488
x22	21 x	8.6 x	24.5	13.8	488
x23	22 x	9.0 x	23.4	13.2	488
x24	23 x	9.4 x	22.4	12.6	488
x25	24 x	9.8 x	21.3	12.0	488
x26	25 x	10.2 x	20.6	11.6	488
x27	26 x	10.6 x	19.9	11.2	488
x28	27 x	11.0 x	19.1	10.7	488
x29	28 x	11.4 x	18.4	10.4	488
x30	29 x	11.9 x	17.7	10.0	488
30x with +2	58 x	23.5 x	8.9526	5.0	239
30x with +5	100 x	40.3 x	5.2	2.9	135
30x with +10	167 x	67.2 x	3.1	1.8	73
30x with +5+10	227 x	92 x	2.29	1.3	46

