

## Optical data FreeSight W30x and M30x Full HD

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

Zoom factor W30x FreeSight	Magnification On-screen 24" LCD	Magnification Optical	Field of View [mm]		Working distance [mm]
			FoV (W)	FoV (H)	
1x zoom	0.9 x	0.4 x	594	334	490
x2	1.8 x	0.7 x	283	159	490
x3	2.7 x	1.1 x	190	107	490
x4	3.6 x	1.5 x	145	81	490
x5	4 x	1.8 x	119	67	490
x6	5 x	2.2 x	97	55	490
x7	6 x	2.5 x	84	47.2	490
x8	7 x	2.8 x	74	41.5	490
x9	8 x	3.2 x	66	37.0	490
x10	9 x	3.5 x	60	33.7	490
x11	10 x	3.9 x	54	30.4	490
x12	10 x	4.2 x	49.8	28.0	490
x13	11 x	4.6 x	46	25.9	490
x14	12 x	4.9 x	42.8	24.1	490
x15	13 x	5.3 x	39.6	22.3	490
x16	14 x	5.6 x	37.5	21.1	490
x17	15 x	5.9 x	35.3	19.9	490
x18	16 x	6.3 x	33.2	18.7	490
x19	16 x	6.5 x	32.1	18.1	490
x20	17 x	7.0 x	30	16.9	490
x21	18 x	7.5 x	28.1	15.8	490
x22	20 x	7.9 x	26.6	14.9	490
x23	20 x	8.2 x	25.5	14.3	490
x24	21 x	8.6 x	24.4	13.7	490
x25	22 x	9.0 x	23.4	13.1	490
x26	23 x	9.3 x	22.5	12.7	490
x27	24 x	9.6 x	21.9	12.3	490
x28	25 x	10.0 x	21.0	11.8	490
x29	26 x	10.3 x	20.4	11.5	490
x30	26 x	10.7 x	19.6	11.1	490
30x with +2	54 x	22 x	9.6	5.4	200
30x with +5	72 x	29 x	7.2	4.1	120
30x with +10	113 x	46 x	4.6	2.6	70
30x with +5+10	158 x	64 x	3.30	1.9	45

