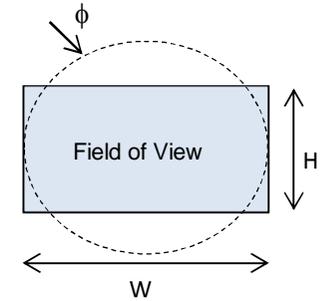


Optical data W20x-HD, Full HD 1080p

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

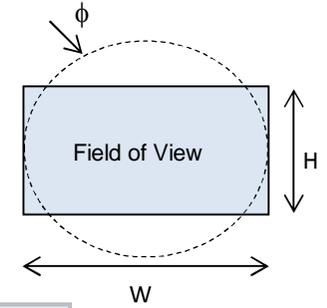


Zoom factor W20x-HD	Magnification [x]			Field of View [mm]		Working distance [mm]
	On-screen 24" LCD	On-screen 32" LCD	Optical*	FoV (W)	FoV (H)	
1x zoom	2.1 x	2.8 x	x0.5	250.0	140.6	245
2x	4.4 x	5.9 x	x1.2	117.0	65.8	245
3x	6.6 x	8.8 x	x1.7	79.0	44.4	245
4x	8.7 x	11.6 x	x2.3	60.0	33.8	245
5x	11 x	14 x	x2.8	48.0	27.0	245
6x	13 x	17 x	x3.4	40.0	22.5	245
7x	15 x	20 x	x3.9	34.5	19.4	245
8x	17 x	23 x	x4.5	30.0	16.9	245
9x	19 x	26 x	x5.0	27.0	15.2	245
10x	22 x	29 x	x5.6	24.0	13.5	245
11x	24 x	32 x	x6.1	22.0	12.4	245
12x	26 x	35 x	x6.8	20.0	11.3	245
13x	28 x	37 x	x7.3	18.5	10.4	245
14x	30 x	40 x	x7.7	17.5	9.8	245
15x	32 x	43 x	x8.3	16.3	9.2	245
16x	34 x	45 x	x8.8	15.3	8.6	245
17x	37 x	49 x	x9.5	14.2	8.0	245
18x	39 x	51 x	x10.0	13.5	7.6	245
19x	40 x	54 x	x10.5	12.9	7.3	245
20x	43 x	57 x	x11.2	12.1	6.8	245
20x with +5	95 x	126 x	x25	5.5	3.1	100
20x with +10	144 x	193 x	x38	3.6	2.0	60
20x with +5+10	182 x	243 x	x47	2.85	1.60	38

* Comparison is made to Optical magnification of [Vision Engineering Mantis, Lynx and Falcon microscopes](#)

Optical data W20x-HD, HD 720p

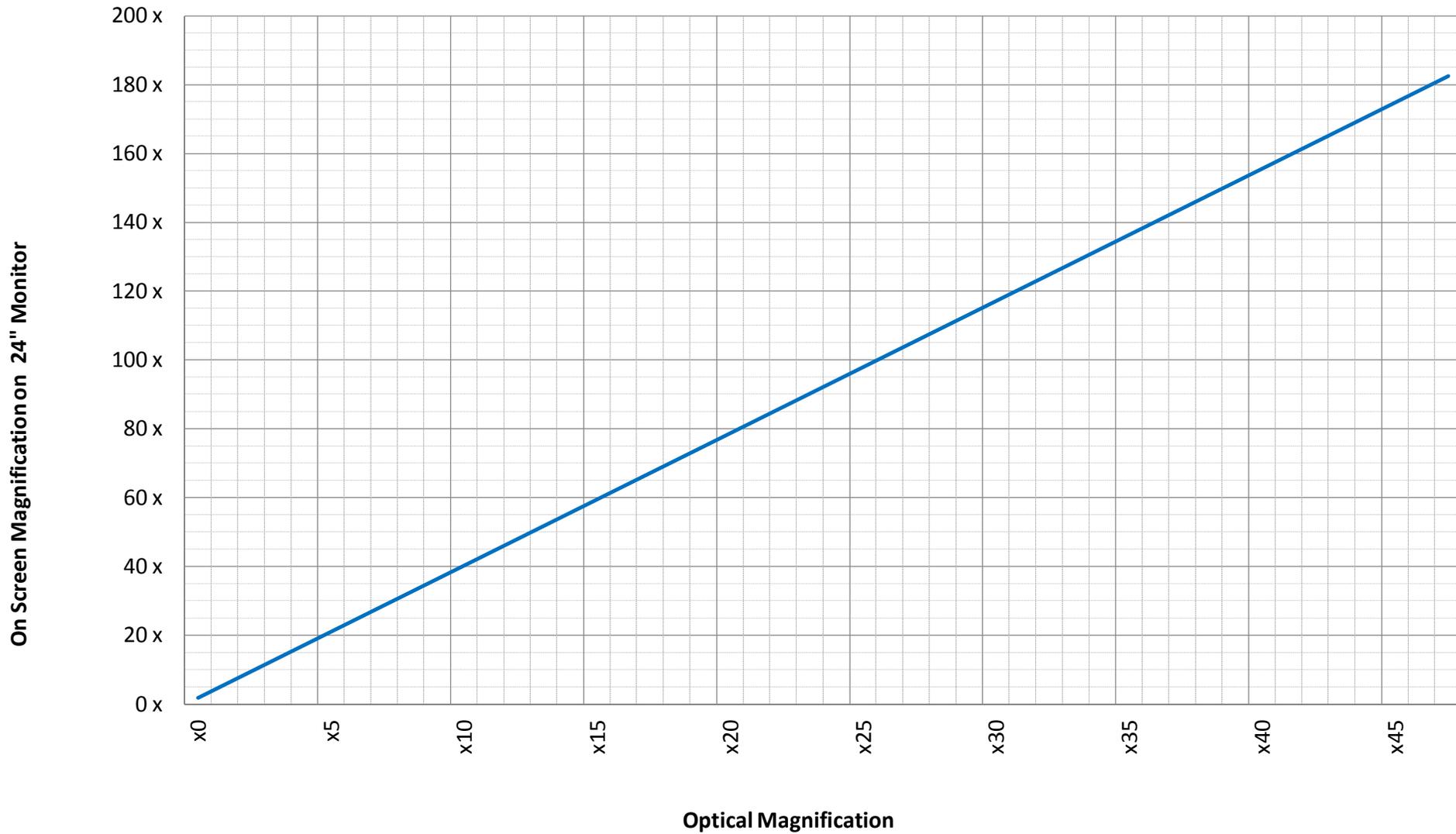
On-screen Magnification vs. Optical Magnification, Filed of View and Working Distance at different Zoom factors



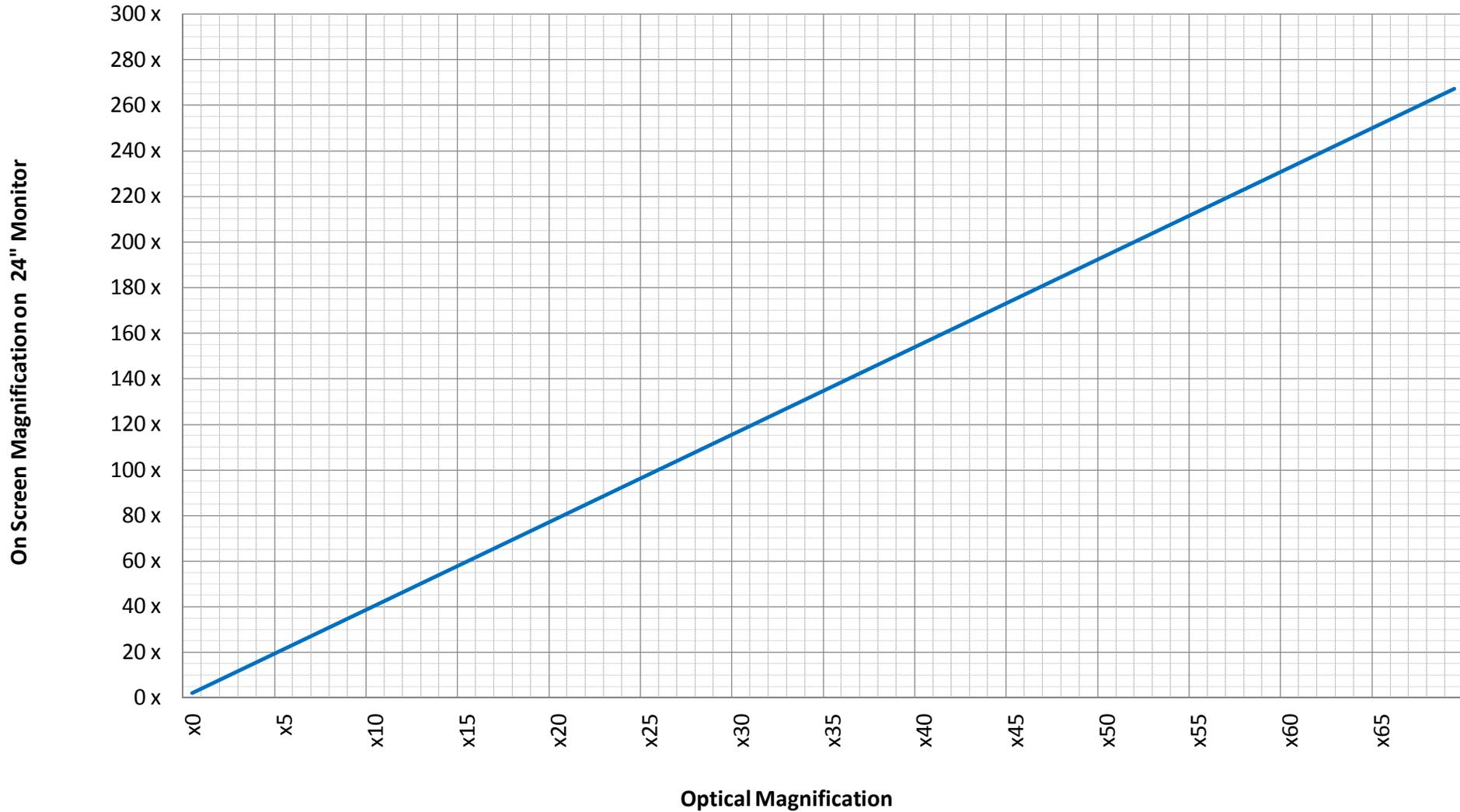
Zoom factor W20x-HD	Magnification [x]			Field of View [mm]		Working distance [mm]
	On-screen 24" LCD	On-screen 32" LCD	Optical*	FoV (W)	FoV (H)	
1x zoom	3.0 x	4.0 x	x0.8	171.4	96.4	245
2x	6.5 x	8.6 x	x1.7	80.2	45.1	245
3x	9.6 x	12.8 x	x2.5	54.2	30.5	245
4x	12.6 x	16.9 x	x3.3	41.1	23.1	245
5x	16 x	21 x	x4.1	32.9	18.5	245
6x	19 x	25 x	x4.9	27.4	15.4	245
7x	22 x	29 x	x5.7	23.7	13.3	245
8x	25 x	34 x	x6.6	20.6	11.6	245
9x	28 x	37 x	x7.3	18.5	10.4	245
10x	32 x	42 x	x8.2	16.5	9.3	245
11x	34 x	46 x	x8.9	15.1	8.5	245
12x	38 x	51 x	x9.8	13.7	7.7	245
13x	41 x	55 x	x10.6	12.7	7.1	245
14x	43 x	58 x	x11.3	12.0	6.8	245
15x	47 x	62 x	x12	11.2	6.3	245
16x	50 x	66 x	x13	10.5	5.9	245
17x	53 x	71 x	x14	9.7	5.5	245
18x	56 x	75 x	x15	9.3	5.2	245
19x	59 x	78 x	x15	8.8	5.0	245
20x	63 x	84 x	x16	8.3	4.7	245
20x with +5	138 x	184 x	x36	3.8	2.1	100
20x with +10	211 x	281 x	x55	2.5	1.4	60
20x with +5+10	266 x	355 x	x69	1.95	1.10	38

* Comparison is made to Optical magnification of [Vision Engineering Mantis](#), [Lynx](#) and [Falcon](#) microscopes

Comparison of On-screen Magnification of W20x-HD, Full HD 1080p to Optical Magnification of Vision Engineering (Mantis, Lynx and Falcon)

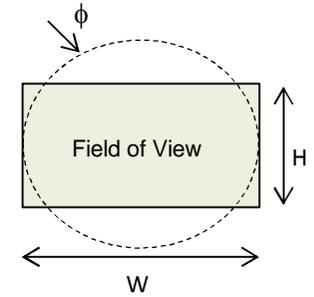


Comparison of On-screen Magnification of W20x-HD, HD 720p to Optical Magnification of Vision Engineering (Mantis, Lynx and Falcon)



Optical data W20x-HD, Full HD 1080p

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

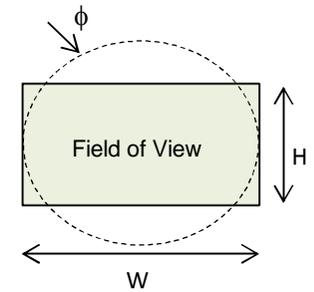


Zoom factor W20x-HD	Magnification [x]			Field of View [mm]		Working distance [mm]
	On-screen 24" LCD	On-screen 32" LCD	Optical*	FoV (W)	FoV (H)	
1x zoom	2.1 x	2.8 x	x0.8	250.0	140.6	245
2x	4.4 x	5.9 x	x1.8	117.0	65.8	245
3x	6.6 x	8.8 x	x2.7	79.0	44.4	245
4x	8.7 x	11.6 x	x3.5	60.0	33.8	245
5x	11 x	14 x	x4.4	48.0	27.0	245
6x	13 x	17 x	x5.3	40.0	22.5	245
7x	15 x	20 x	x6.1	34.5	19.4	245
8x	17 x	23 x	x7.0	30.0	16.9	245
9x	19 x	26 x	x7.8	27.0	15.2	245
10x	22 x	29 x	x8.8	24.0	13.5	245
11x	24 x	32 x	x9.5	22.0	12.4	245
12x	26 x	35 x	x10.5	20.0	11.3	245
13x	28 x	37 x	x11.4	18.5	10.4	245
14x	30 x	40 x	x12.0	17.5	9.8	245
15x	32 x	43 x	x12.9	16.3	9.2	245
16x	34 x	45 x	x13.7	15.3	8.6	245
17x	37 x	49 x	x14.8	14.2	8.0	245
18x	39 x	51 x	x15.6	13.5	7.6	245
19x	40 x	54 x	x16.3	12.9	7.3	245
20x	43 x	57 x	x17.4	12.1	6.8	245
20x with +5	95 x	126 x	x38	5.5	3.1	100
20x with +10	144 x	193 x	x58	3.6	2.0	60
20x with +5+10	182 x	243 x	x74	2.85	1.60	38

* Comparison is made to Optical magnification of **Leica M Series Stereomicroscopes**

Optical data W20x-HD, HD 720p

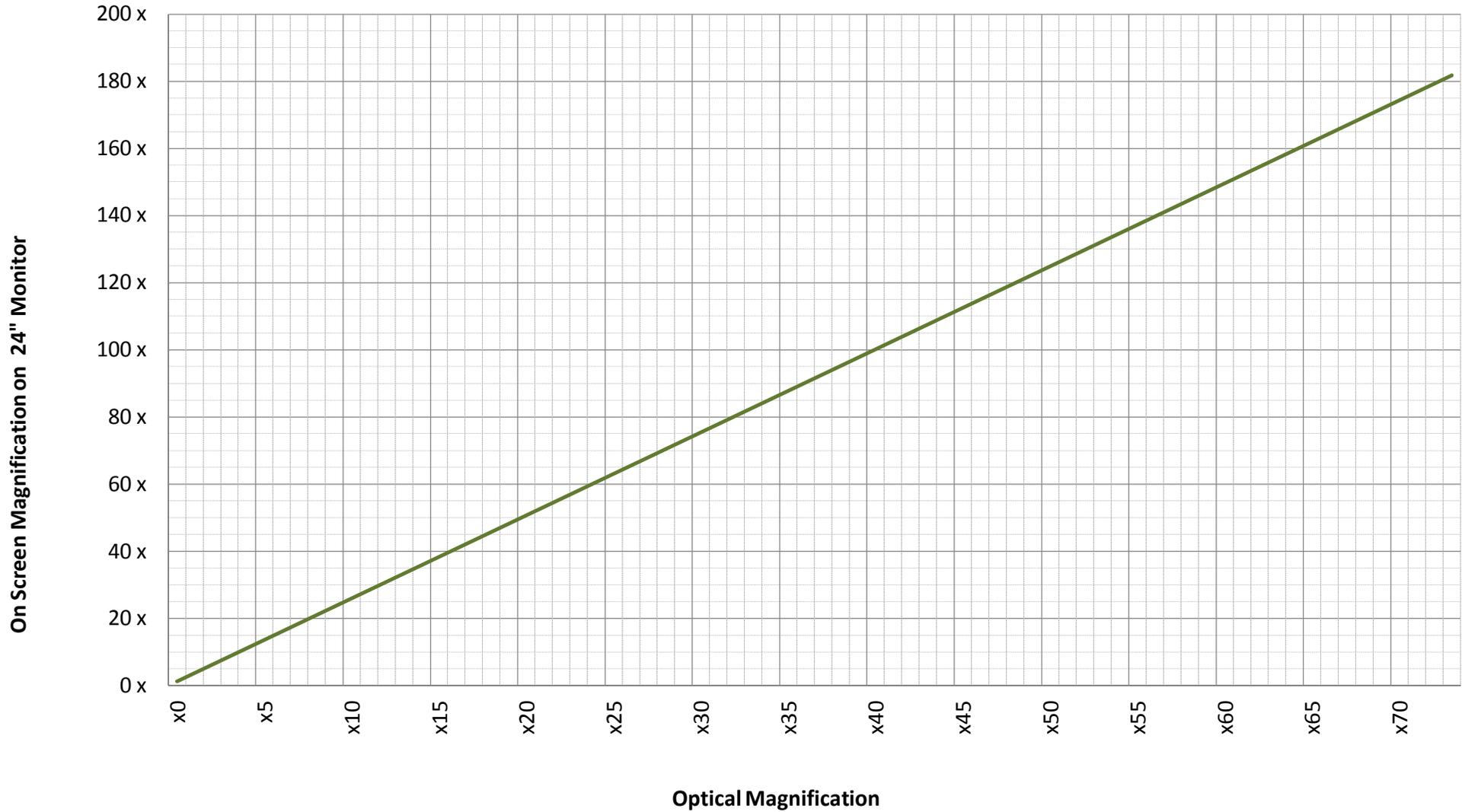
On-screen Magnification vs. Optical Magnification, Filed of View and Working Distance at different Zoom factors



Zoom factor W20x-HD	Magnification [x]			Field of View [mm]		Working distance [mm]
	On-screen 24" LCD	On-screen 32" LCD	Optical	FoV (W)	FoV (H)	
1.0x	3.0 x	4.0 x	x1.2	171.4	96.4	245
2.0x	6.5 x	8.6 x	x2.6	80.2	45.1	245
3.0x	9.6 x	12.8 x	x3.9	54.2	30.5	245
4.0x	12.6 x	16.9 x	x5.1	41.1	23.1	245
5.0x	16 x	21 x	x6.4	32.9	18.5	245
6.0x	19 x	25 x	x7.7	27.4	15.4	245
7.0x	22 x	29 x	x8.9	23.7	13.3	245
8.0x	25 x	34 x	x10.2	20.6	11.6	245
9.0x	28 x	37 x	x11.3	18.5	10.4	245
10.0x	32 x	42 x	x12.8	16.5	9.3	245
11.0x	34 x	46 x	x13.9	15.1	8.5	245
12.0x	38 x	51 x	x15.3	13.7	7.7	245
13.0x	41 x	55 x	x16.6	12.7	7.1	245
14.0x	43 x	58 x	x17.5	12.0	6.8	245
15.0x	47 x	62 x	x19	11.2	6.3	245
16.0x	50 x	66 x	x20	10.5	5.9	245
17.0x	53 x	71 x	x22	9.7	5.5	245
18.0x	56 x	75 x	x23	9.3	5.2	245
19.0x	59 x	78 x	x24	8.8	5.0	245
20.0x	63 x	84 x	x25	8.3	4.7	245
20x with +5	138 x	184 x	x56	3.8	2.1	100
20x with +10	211 x	281 x	x85	2.5	1.4	60
20x with +5+10	266 x	355 x	x107	1.95	1.10	38

* Comparison is made to Optical magnification of **Leica M Series Stereomicroscopes**

Comparison of On-screen Magnification of W20x-HD, Full HD 1080p to Optical Magnification of Leica M Series Stereomicroscopes



Comparison of On-screen Magnification of W20x-HD, HD 720p to Optical Magnification of Leica M Series Stereomicroscopes

