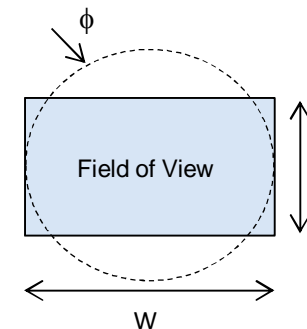


Optical data W10x-HD, Full HD 1080p

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

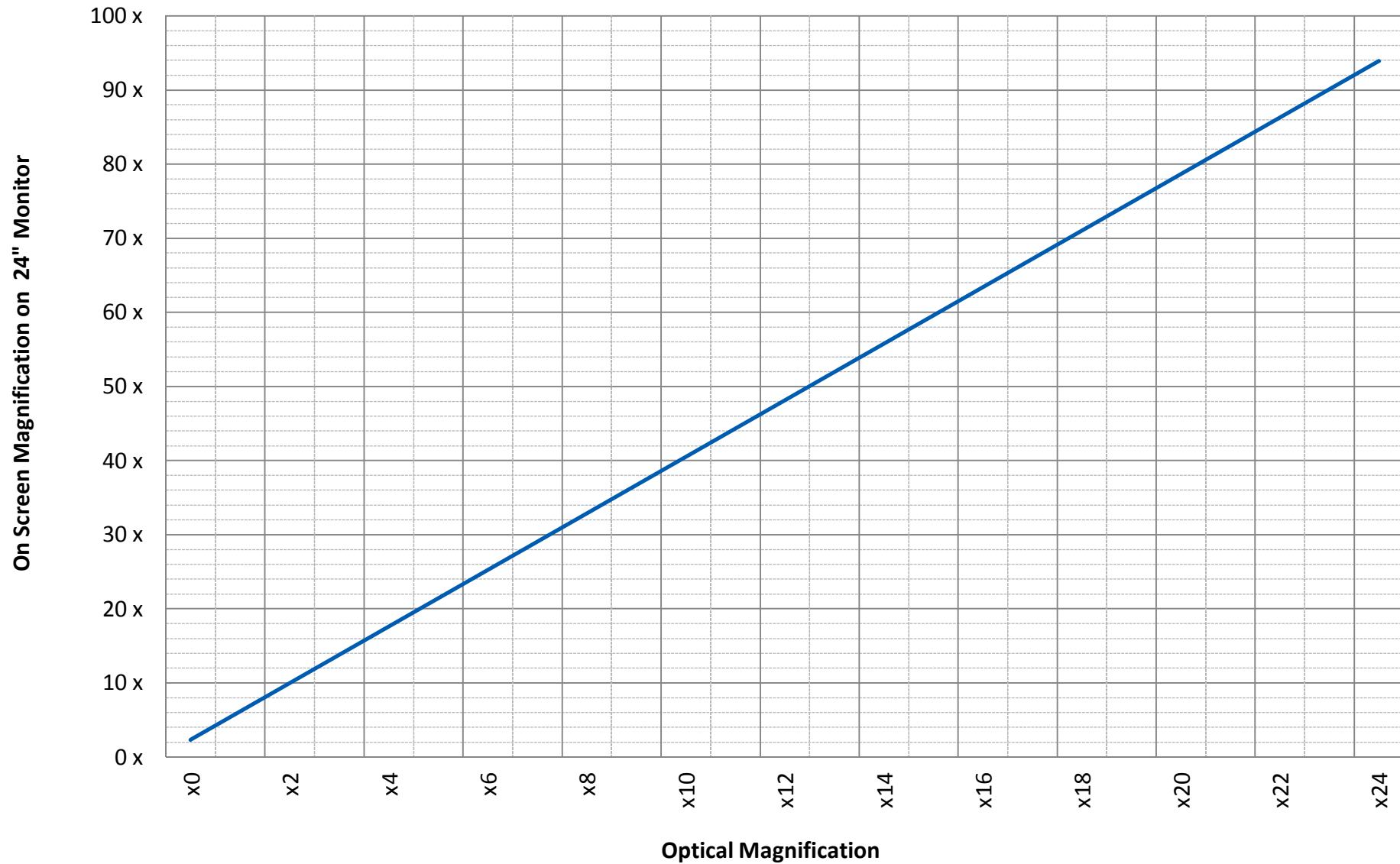
Zoom factor W10x-HD	Magnification [x]			Field of View [mm]		Working distance [mm]
	On-screen 24" LCD	On-screen 32" LCD	Optical*	FoV (W)	FoV (H)	
1x zoom	2.3 x	3.1 x	x0.6	223.0	125.4	245
2x	4.6 x	6.2 x	x1.2	112.0	63.0	245
3x	6.8 x	9.1 x	x1.8	76.0	42.8	245
4x	9.1 x	12.2 x	x2.4	57.0	32.1	245
5x	11.3 x	15 x	x2.9	46.0	25.9	245
6x	13.7 x	18 x	x3.6	38.0	21.4	245
7x	15.3 x	20 x	x4.0	34.0	19.1	245
8x	17 x	23 x	x4.4	30.5	17.2	245
9x	19 x	26 x	x5.0	27.0	15.2	245
10x	22 x	30 x	x5.8	23.3	13.1	245
10x with +5	50 x	66 x	x13	10.5	5.9	103
10x with +10	69 x	92 x	x18	7.5	4.2	61
10x with +5+10	95 x	126 x	x25	5.50	3.09	39



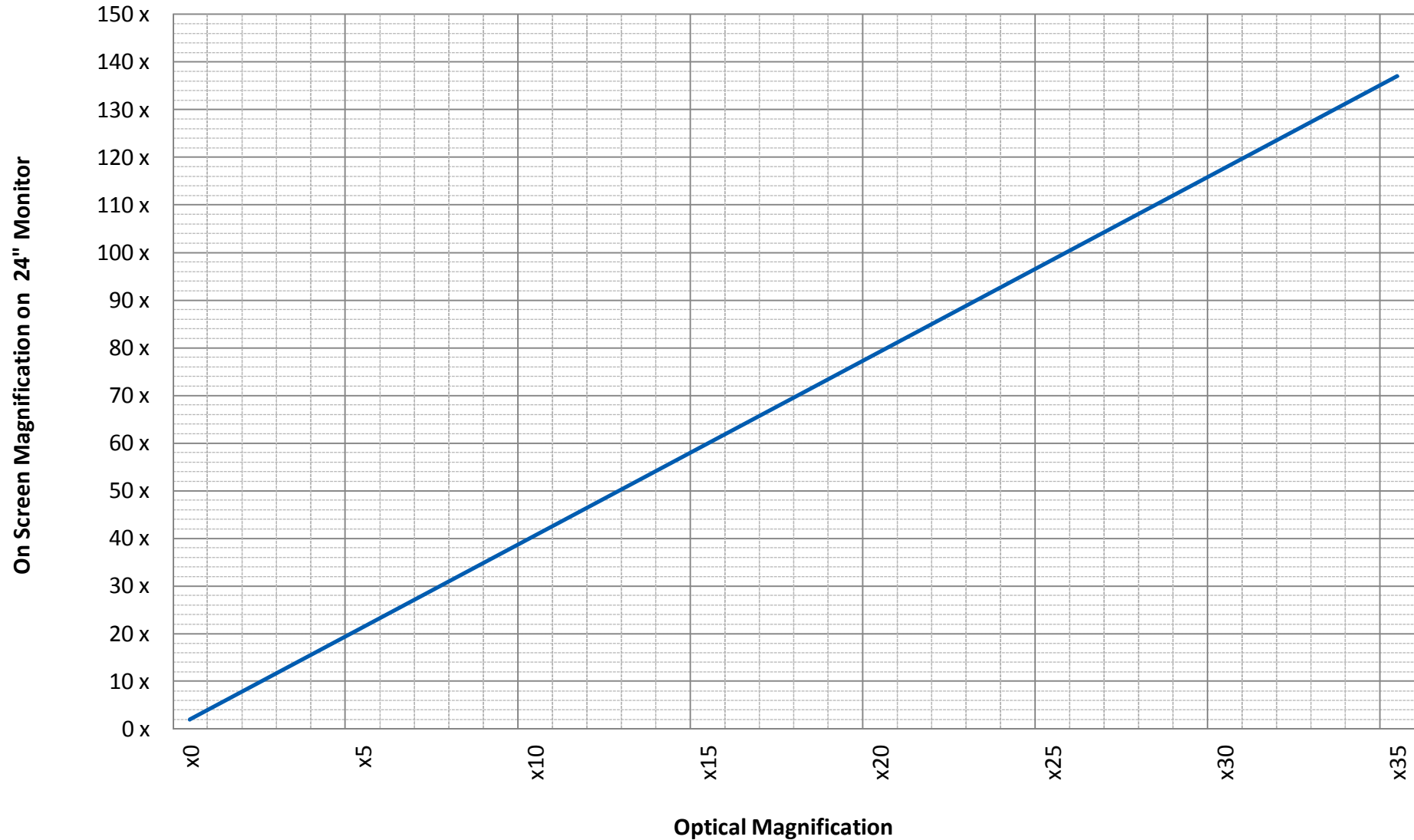
W10x-HD, HD 720p

Zoom factor W10x-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	3.4 x	4.5 x	x0.9	152.9	86.0	245
2x	6.8 x	9.0 x	x1.8	76.8	43.2	245
3x	10.0 x	13.3 x	x2.6	52.1	29.3	245
4x	13.3 x	17.7 x	x3.5	39.1	22.0	245
5x	16 x	22 x	x4.3	31.5	17.7	245
6x	20 x	27 x	x5.2	26.1	14.7	245
7x	22 x	30 x	x5.8	23.3	13.1	245
8x	25 x	33 x	x6.5	20.9	11.8	245
9x	28 x	37 x	x7.3	18.5	10.4	245
10x	33 x	43 x	x8.4	16.0	9.0	245
10x with +5	72 x	96 x	x19	7.2	4.1	103
10x with +10	101 x	135 x	x26	5.1	2.9	61
10x with +5+10	138 x	184 x	x36	3.77	2.12	39

Comparison of On-screen Magnification (24" LCD) of W10x-HD, Full 1080p to Optical Magnification of Vision Engineering (Mantis, Lynx and Falcon)



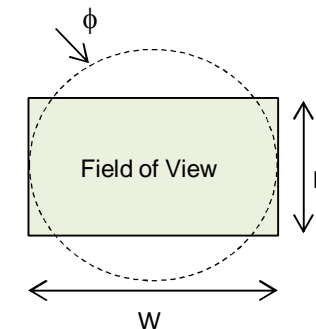
Comparison of On-screen Magnification (24" LCD) of W10x-HD, HD 720p to Optical Magnification of Vision Engineering (Mantis, Lynx and Falcon)



Optical data W10x-HD, Full HD 1080p

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

Zoom factor W10x-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	2.3 x	3.1 x	x0.9	223.0	125.4	245
2x	4.6 x	6.2 x	x1.9	112.0	63.0	245
3x	6.8 x	9.1 x	x2.8	76.0	42.8	245
4x	9.1 x	12.2 x	x3.7	57.0	32.1	245
5x	11.3 x	15 x	x4.6	46.0	25.9	245
6x	13.7 x	18 x	x5.5	38.0	21.4	245
7x	15.3 x	20 x	x6.2	34.0	19.1	245
8x	17 x	23 x	x6.9	30.5	17.2	245
9x	19 x	26 x	x7.8	27.0	15.2	245
10x	22 x	30 x	x9.0	23.3	13.1	245
10x with +5	50 x	66 x	x20.0	10.5	5.9	103
10x with +10	69 x	92 x	x28.0	7.5	4.2	61
10x with +5+10	95 x	126 x	x38.2	5.50	3.09	39

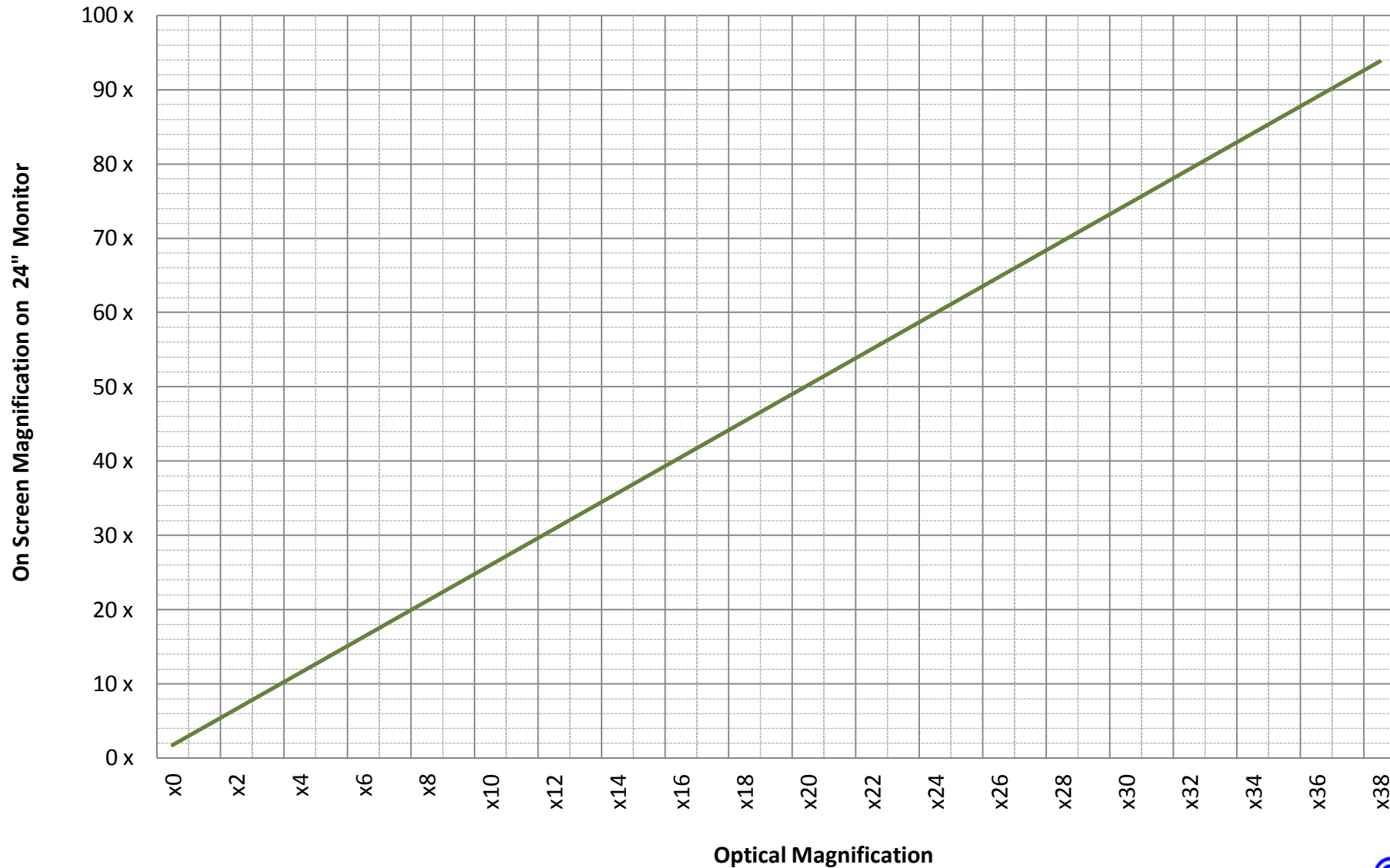


W10x-HD, HD 720p

Zoom factor W10x-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	3.4 x	4.5 x	x1.4	152.9	86.0	245
2x	6.8 x	9.0 x	x2.7	76.8	43.2	245
3x	10.0 x	13.3 x	x4.0	52.1	29.3	245
4x	13.3 x	17.7 x	x5.4	39.1	22.0	245
5x	16 x	22 x	x6.7	31.5	17.7	245
6x	20 x	27 x	x8.1	26.1	14.7	245
7x	22 x	30 x	x9.0	23.3	13.1	245
8x	25 x	33 x	x10.0	20.9	11.8	245
9x	28 x	37 x	x11.3	18.5	10.4	245
10x	33 x	43 x	x13.1	16.0	9.0	245
10x with +5	72 x	96 x	x29	7.2	4.1	103
10x with +10	101 x	135 x	x41	5.1	2.9	61
10x with +5+10	138 x	184 x	x56	3.77	2.12	39

* Comparison is made to Optical magnification of [Leica M Series Stereomicroscopes](#)

Comparison of On-screen Magnification (24" LCD) of W10x-HD, Full 1080p to Optical Magnification of Leica M Series Stereomicroscopes



Comparison of On-screen Magnification (24" LCD) of W10x-HD, HD 720p to Optical Magnification of Leica M Series Stereomicroscopes

