MAGNIFICATION

The camera stand allows the user to use different working distance very easily by moving the camera closer or further. If the object distance is fixed then the user still can use the real-digital zoom by rolling the mouse wheel. Using the digital zoom the image is equally very sharp and clear on the full HD resolution LCD thank for the very good 5, 10 and 18Mpixel cameras.

Magnification of the SANXO-Scope HD E

TAMRON megapixel 50mm focal lens and 10Mpix Gig-E camera

Nr.	Object distance (Working Distance)	Magnification (roll the mouse wheel) D1	D2	D3	Accessory
1	530 mm	7.3x	14.6x	21.9x	none
2	290 mm	13.75x	27.5x	41.25x	none
3	192 mm	21.6x	43.2x	64.8x	none
4	95 mm	50.5x	101x	151.6x	20mm extension ring

TAMRON megapixel 25mm focal lens and 10Mpix Gig-E camera

Nr.	Object distance (Working Distance)	Magnification (roll the mouse wheel) D1	D2	D3	Accessory
1	547 mm	3,1x	6,3x	18,8x	none
3	285 mm	6,3x	12,5x	37,5x	none
4	243 mm	7,3x	14,6x	43,8x	none
6	207 mm	8,6x	17,3x	51,8x	none
8	120 mm	14,4x	28,8x	86,4x	1 mm extension ring

Magnification of the SANXO-Scope HD U4 and SANXO-Scope HD U4 Express

TAMRON megapixel 50mm focal lens and 18Mpix USB3 camera

Nr.	Object distance (Working Distance)	Magnification (roll the mouse wheel) D1	D2	D3	Accessory
1	530 mm	7.6x	19.4x	29 x	none
2	290 mm	14.35x	36.7x	55 x	none
3	192 mm	22.5x	57.5x	86.3 x	none
4	95 mm	52.7x	134.8x	202.2x	20mm extension ring

TAMRON megapixel 25mm focal lens and 18Mpix USB3 camera

Nr.	Object distance (Working Distance)	Magnification (roll the mouse wheel) D1	D2	D3	Accessory
1	547 mm	3,2x	8.2 x	12,3x	none
3	285 mm	6,6x	16,9x	25,3x	none
4	243 mm	7,6x	19.5x	29,1x	none
6	207 mm	9 x	23 x	34.5x	none
8	120 mm	15x	38,4x	57,5x	1 mm extension ring

Magnification of the SANXO-Scope HD U3

TAMRON megapixel 50mm focal lens and 5Mpix USB3 camera

Nr.	Object distance (Working Distance)	Magnification (roll the mouse wheel) D1	D2	D3	Accessory
1	530 mm	6.4 x	8.5x	12.8 x	none
2	290 mm	12 x	16 x	24 x	none
3	192 mm	19 x	25.3 x	38 x	none
4	95 mm	44.3 x	59 x	88.5 x	20mm extension ring

TAMRON megapixel 25mm focal lens and 5Mpix USB3 camera

Nr.	Object distance (Working Distance)	Magnification (roll the mouse wheel) D1 D2 D3	Accessory
1	547 mm	2.7x 3.6 x 5.4 x	none
3	285 mm	5.5x 7.3 x 11 x	none
4	243 mm	6.4x 8.5 x 12,8x	none
6	207 mm	7.5x 10 x 15 x	none
8	120 mm	12.6x 16.8 x 25.2 x	1 mm extension ring

Other lenses can be used for the SANXO-Scope HD. The high-megapixel 50mm focal lens, 35mm and 25mm TAMRON lens and other 50mm and 75mm fixed focal lengths optics can be used.

Liquid lens setups

Magnification of the SANXO-Scope HD U4 + autofocus lens
Optical setup1:
| camera | + | Optotune EL10-30 liquid lens | + | TAMRON megapixel 50mm |
Working range (from top of the close up lens): 178mm – 94mm
Focus range: 25mm – 8mm
Z axis resolution: 0.02mm – 0.007mm
Magnification: 27x, 69x, 103x – 52 x , 135 x, 202x

Magnification of the SANXO-Scope HD U4 + autofocus lens
Optical setup2:
| camera | + | TAMRON megapixel 25mm | + | Optotune EL10-30 liquid lens |
Working range (from top of the close up lens): 600mm – closest 65 mm
Focus range: 490mm – 86 mm (66-152mm)
Z axis resolution: 0.4mm – 0.07mm
Magnification: 2.8x, 7.2x, 11x – 10 x , 26 x, 39x