

## Working Distance vs. Magnification Reference



Model #

SHD-31H	Mag	16X	28X	36X	70X	105X	140X	175X
	WD (mm)	699mm	420mm	343mm	190mm	146mm	118mm	108mm
	FOV (mm)	26 x 20.8 mm	15 x 12mm	12 x 9.6mm	6 x 4.8mm	4 x 3.2mm	2.9 x 2.3 mm	2.2 x 1.8mm
	WD (inch)	27.5 in	16.5 in	13.5 in	7.5 in	5.75 in	4.65 in	4.25 in
	FOV (inch)	1.02 x 0.82 in	0.59 x 0.47 in	0.47 x 0.38 in	0.24 x 0.19 in	0.16 x 0.13 in	0.11 x 0.09 in	0.089 x 0.07 in
	Zoom	1.3X	1.4X	1.5X	1.8X	2.4X	4.2X	4.5X



Model #

SHD-31M	Mag	5X	7X	9X	17X	23X	35X	45X
	WD (mm)	370mm	330mm	250mm	127mm	100mm	63.5mm	50.8mm
	FOV (mm)	110x88 mm	54x43 mm	41x32 mm	24x19 mm	17x13 mm	12x9.6mm	9x7mm
	WD (inch)	15 inch	13 inch	10 inch	5 inch	4 inch	2.5 inch	2 inch
	FOV (inch)	4.3x3.4 in	2.13x1.7 in	1.6x 1.3 in	0.94x0.75 in	0.68x0.54 in	0.47 x 0.38 in	0.35x0.27 in
Noted		(W/o 5mm ring)	(W/o 5mm ring)	(W/o 5mm ring)	w/ 5 mm ring	w/ 5 mm ring	w/ 2 x 5mm ring	w/ 2 x 5mm ring



SHD-31L	Mag	8X	7X / 11X	7X / 12X	8X / 14X	8X / 16X	10X / 16X	14X / 18X
	WD (mm)	330mm	260mm	203mm	152mm	127mm	76mm	25.4mm
	FOV (mm)	49 x 39.2 mm	54x43 mm (7X)	36x28 mm (12X)	30 x 24 mm (14X)	27x21 mm (16X)	41x32 mm (10X)	23x18 mm (18X)
	WD (inch)	13 in	10.25 in	8 in	6 in	5 in	3 in	1 in
	FOV (inch)	1.93x1.54 in	2.13x1.7 in (7X)	1.4x1.13 in (12X)	1.18x0.94 in (14X)	1.06x0.85 in (16X)	1.6x 1.3 in (10X)	0.9x0.72 in (18X)

Lens 2 Key: T = Tele, W = Wide, O = Open, C = Close, infinity symbol( $\infty$ ) = Far, N = Near