

## SPECIFICATIONS: 3D Measurement System Macroscope

Model			VR-3200		
Type			Head		
Applicable controller			VR-3000K		
Field-of-view	Wide-field mode	Magnification on a 15" monitor 12x	Horizontal Vertical	24 mm 18 mm	
		Magnification on a 15" monitor 25x	Horizontal Vertical	12 mm 9 mm	
		Magnification on a 15" monitor 38x	Horizontal Vertical	8 mm 6 mm	
		Magnification on a 15" monitor 50x	Horizontal Vertical	4.5 mm 4.5 mm	
		Magnification on a 15" monitor 40x	Horizontal Vertical	7.6 mm 5.7 mm	
	High magnification mode	Magnification on a 15" monitor 80x	Horizontal Vertical	3.8 mm 2.9 mm	
		Magnification on a 15" monitor 120x	Horizontal Vertical	2.5 mm 2.5 mm	
		Magnification on a 15" monitor 160x	Horizontal Vertical	1.9 mm 1.4 mm	
		Zoom			1x to 4x
		Measurement accuracy	Height measurement	±3 μm <sup>1</sup>	
	Width measurement	Wide-field mode: ±5 μm, High magnification mode: ±2 μm <sup>1</sup>			
Stitching function			Full automatic (XY stage automatic control + auto focus) measurement <sup>2</sup> Auto adjustment, Auto template analysis <sup>2</sup>		
Stage	Z stroke	90 mm (electric)			
	Rotation	±180°(sample rotating stage)			
	Tilt	±30° or more			
Working distance			75 mm		
Image receiving element			4 megapixel monochrome CMOS		
Transmitter lens			Double telecentric lens x2		
Receiver lens			Double telecentric lens		
Light sources	Observation light source	LED ring light (red, green, blue)			
	Measurement light source	White LED			
Image size			1024 x 768 pixels, 2048 x 1536 pixels		
Rating	Power voltage	100 to 240 VAC ±10 %, 50/60 Hz			
	Power consumption	150 VA			
Environmental resistance	Ambient temperature	+15 to +30 °C			
	Relative humidity	35 to 80 % RH (No condensation)			
Weight			28.0 kg		