

[VX8000 Series Parameters]

Model No.		VX8200	VX8300	
Image Sensor		20M CMOS		
Monitor	Built-in	10.4" LCD (XGA: 1024x768)		
	Outside	24" LCD (XGA: 1920x1080)		
Acceptance Lens		Double Telecentric Lens		
Light	Ring	Four-segment illumination(White Light/Green light)		
	Bottom	Telecentric transmission illumination(Green Light)		
F.O.V.	Large Field	200×200mm(4 Angles R50)	300×200mm(4 Angles R50)	
	High Precision	W130×L130mm	W230×L130mm	
Repeatability of Image Meas.	Large Field	Without Stitching*1	±1μm	
		With Stitching*2	±2μm	
	High Precision	Without Stitching*1	±0.5μm	
		With Stitching*2	±1.5μm	
Accuracy of Image Meas.	Large Field	Without Stitching*1	±3μm	
		With Stitching*2	±(5+0.02L)μm	
	High Precision	Without Stitching*1	±1.5μm	
		With Stitching*2	±(3+0.02L)μm	
Horizontal Rotary Unit (Optional)	Rotation Angle	Range 360°, Resolution 0.01°		
	Rotation Speed	0.2~2rev/s		
	Max Diameter	Φ60mm		
Height Meas. (Optical Probe) (Optional)	Measuring Range(XY)	/	120mm×110mm	
	Max Hole/Depth Ratio(h/Φ)	/	1.5	
	Non-Move	Range(Z)	/	±3.5mm
		Accuracy	/	±2μm
	Z Move	Range(Z)	/	75mm
		Accuracy	/	±(6+L/100)μm
	Dia. of Beam	/	Φ38μm	
	Resolution	/	0.25μm	
Software		VisionX		
Resolution		0.1μm		
XY Object Table	X Travel range	110mm	210mm	
	Y Travel range	110mm	110mm	
	LoadingCapacity	5kg	5kg	
Z Travel range		75mm		
Size(LxWxH)		(531×386×731)mm	(531×503×731)mm	
Weight		49kg	75kg	
Power supply		AC100-240V,50/60Hz,2A, 300W		
Working Environment		Temp.10°C~35°C, Humidity 20~80%, Vibration<0.002g, Less than15Hz		

Note: *1 In the focus position, the environment temperature is +20 °C ± 1.0 °C

*2 In the focus position, the environment temperature is +20 °C ± 1.0 °C, and the load on the table is 2 kg or less;

L is the moving range of the table in mm.

[VX3500/VX8500 Parameters]

Model No.		VX3500	VX8500	
Image Sensor		5M CMOS	20M CMOS	
Monitor		24" LCD (XGA: 1920x1080)		
Acceptance Lens		Double Telecentric Lens		
Light	Ring	Four-segment illumination(White Light/Green light)		
	Bottom	Telecentric transmission illumination(Green Light)		
F.O.V.	Large Field	500×400mm(4 Angles R50)		
	High Precision	W430×L330mm		
Repeatability of Image Meas.	Large Field	Without Stitching*1	±1μm	
		With Stitching*2	±2μm	
	High Precision	Without Stitching*1	±0.5μm	
		With Stitching*2	±1.5μm	
Accuracy of Image Meas.	Large Field	Without Stitching*1	±5μm	
		With Stitching*2	±(6+0.02L)μm	
	High Precision	Without Stitching*1	±2μm	
		With Stitching*2	±(3+0.02L)μm	
Horizontal Rotary Unit (Optional)	Rotation Angle	Range 360°, Resolution 0.01°		
	Rotation Speed	0.2~2rev/s		
	Max Diameter	Φ60mm		
Height Meas. (Optical Probe) (Optional)	Measuring Range(XY)	300mm×300mm		
	Max Hole/Depth Ratio(h/Φ)	1.5		
	Non-Move	Range(Z)	±3.5mm	
		Accuracy	±2μm	
	Z Move	Range(Z)	200mm	
		Accuracy	±(6+L/100)μm	
	Dia. of Beam	Φ38μm		
	Resolution	0.25μm		
Software		VisionX		
Resolution		0.1μm		
XY Object Table	X Travel range	410mm		
	Y Travel range	310mm		
	LoadingCapacity	20kg		
Z Travel range		200mm		
Size(LxWxH)		(900×1340×1600)mm		
Weight		950kg		
Power supply		AC200-240V,50/60Hz,10A, 2500W		
Working Environment		Temp.10°C~35°C, Humidity 20~80%, Vibration<0.002g, Less than15Hz		

Note: *1 In the focus position, the environment temperature is +20 °C ± 1.0 °C

*2 In the focus position, the environment temperature is +20 °C ± 1.0 °C, and the load on the table is 2 kg or less;

L is the moving range of the table in mm.