

SMALL VIEW FIELD SUITABLE FOR MEASURING
SMALL SIZES SUCH AS THREADS AND CHAMFERS

HIGH PRECISION QUICK MEASUREMENT SYSTEM PART NO. QMS-H210-U



SPECIFICATION

Optical lens		dual-field dual-telecentric low-distortion lens	
Measurement range		wide view field	small view field
		8.27×5.12"	7.87×3.94"
Measurement Accuracy*	without stitching	±78.74μin ^①	±27.56μin ^②
	with stitching	±(157.5+20L)μin ^③	±(106.3+20L)μin ^④
Repeatability	without stitching	±39.37μin	±9.84μin
	with stitching	±78.74μin	±49.21μin
Illumination system	transmission light	telecentric illuminator, green light	
	surface light	vertical illuminator, high angle ring white light vertical illuminator, 4-zone low and medium angle ring white light (electric) vertical illuminator, circular (directional) green light (electric)	
	coaxial light	vertical illuminator, white light	
Max. weight of workpiece		11lb	
Measurement time		<2s	
Measurement data		2D measurement	
Environmental requirement		temperature: 68°F ±3.6°F, relative humidity: 30%~80%, vibration: <.00007oz, less than 15Hz	
Power supply		110V, 50Hz, 600W	
Dimension (L×W×H)		18.11×20.27×29.13"	
Weight		99lb	

* The optimum temperature is 68°F±1.8°F

① Within .79×.79", on focal position and environment temperature at 68°F±1.8°F

② Within .31×.19", on focal position and environment temperature at 68°F±1.8°F

③ Within 7.44×4.60", on focal position and environment temperature at 68°F±1.8°F, and workpiece is less than 4.41lb, L is the travel of stage

④ Within 7.08×3.54", on focal position and environment temperature at 68°F±1.8°F, and workpiece is less than 4.41lb, L is the travel of stage

