

Quick Image

SERIES 361 – Manual 2D Vision Measuring System

- A manual 2D Vision Measuring System featuring double-telecentric, fixed-magnification optics with long focal length and deep focal depth, large-quadrant ring lighting and megapixel colour CCD camera to provide efficient, cost-effective measurement in the inspection room or laboratory.
- Ideal for applications requiring distortion-free imaging with accurate measurement capability.



QI-B4020B



QI-A2010B

SPECIFICATIONS

Model		QI-A1010B	QI-A2010B	QI-A2017B	QI-A3017B	QI-A4020B
Code No.		361-822	361-823	361-824	361-825	361-826
Measuring range	X : Y	100 : 100 mm	200 : 100 mm	200 : 170 mm	300 : 170 mm	400 : 200 mm
	Z	100 mm				
Measuring modes		High-resolution / normal				
Accuracy	Within the screen	±5 µm (high-resolution mode), ±8 µm (normal mode)				
	A _{1XY}	±(5.0+8L/100) µm L = measured length (mm)				
Repeatability within the screen (±2σ)		±1 µm (high-resolution mode), ±2 µm (normal mode)				
Camera		1.3 megapixel 1/2 inch Colour CCD				
Optical system	Magnification*	0.2X				
	Field of view	32 x 24 mm				
	Working distance	90 mm				
	Depth of focus	High-resolution mode: ±0.6 mm, normal mode: ±11 mm				
Illumination		Contour, surface and 4-quadrant LED				
Stage glass size		170 x 170 mm	242 x 140 mm	260 x 230 mm	360 x 230 mm	440 x 232 mm
Max. stage loading		10 kg	10 kg	20 kg	20 kg	15 kg
Mass		70 kg	74 kg	140 kg	148 kg	154 kg

Model		QI-B1010B	QI-B2010B	QI-B2017B	QI-B3017B	QI-B4020B
Code No.		361-832	361-833	361-834	361-835	361-836
Measuring range	X : Y	100 : 100 mm	200 : 100 mm	200 : 170 mm	300 : 170 mm	400 : 200 mm
	Z	100 mm				
Measuring modes		High-resolution / normal				
Accuracy	Within the screen	±2.7 μm (high-resolution mode), ±4 μm (normal mode)				
	U _{1XY}	±(5.0+8L/100) μm L = measured length (mm)				
Repeatability within the screen (±2σ)		±0.7 μm (high-resolution mode), ±1 μm (normal mode)				
Camera		1.3 megapixel 1/2 inch Colour CCD				
Optical system	Magnification*	0.5X				
	Field of view	12.8 x 9.6 mm				
	Working distance	90 mm				
	Depth of focus	High-resolution mode: ±0.6 mm, normal mode: ±1.8 mm				
Illumination		Contour, surface and 4-quadrant LED				
Stage glass size		170 x 170 mm	242 x 140 mm	260 x 230 mm	360 x 230 mm	440 x 232 mm
Max. stage loading		10 kg	10 kg	20 kg	20 kg	15 kg
Mass		70 kg	74 kg	140 kg	148 kg	154 kg

* Double telecentric system

FEATURES

- Long focal depth and wide field of view.
- Telecentric optical system.
- Megapixel colour CCD camera.
- Large quadrant LED ring light.