

Technical Specifications Quick Image Type A

Model		QI-A					
		QI-A 505	QI-A 1010	QI-A 2010	QI-A 2017	QI-A 3017	QI-A 4020
Field of view [mm]		32 x 24					
Selectable measuring modes		Normal mode / high-resolution mode					
Accuracy (on monitor) [µm]	Normal mode	±8					
	High-resolution mode	±5					
Repeatability ($\pm 2 \sigma$) [µm]	Normal mode	±2					
	High-resolution mode	±1					
Measuring range [mm]	X x Y	50 x 50	100 x 100	200 x 100	200 x 170	300 x 170	400 x 200
Adjustable range [mm]	Z	25	100				
Measuring accuracy [µm]	U1 (X, Y)	±(5,0 + 0.08L)					
Image processing system	Camera	1,3 pixels color C-MOS Kamera (1/2")					
	Interface	USB 2.0					
Optical system	Magnification	0,2x (double-telecentric lens)					
	Working distance	90 mm					
	Depth of focus	±11,0 mm (normal mode) / ±0.6 mm (high-resolution mode)					
Illumination	Contour	Green LED, telecentric					
	Surface	100 W Halogen cold light					
	Ring light	4 quadrants, white LED					
Controller	Control unit	integrated in main unit					
	Interface	USB 1.1					
Stage glass size [mm]	W x D	86 x 82	170 x 170	242 x 140	260 x 230	360 x 230	440 x 232
Max. workpiece mass[kg]		5	10	20		15	
Dimensions	W x D x H	299 x 508 x 405	534 x 714 x 761	624 x 714 x 767	632 x 860 x 870	682 x 860 x 870	757 x 875 x 870
Mass [kg]	Main unit	20	70	74	140	148	154
Temperature range in which the accuracy is warranted [°C]		20 ± 1					