

CNC VISION MEASURING SYSTEMS (ADVANCED TYPE)

INSPECTION
CERTIFICATE



programmable
segmented ring
light (included)

HIGH-RESOLUTION
AUTO ZOOM LENS

NAVIGATION
CAMERA



ISD-Q1210

- Motorized zoom objective
- Granite body, high accuracy and stability
- Panasonic servo control motor, with precise positioning performance in high-speed movement
- RSF brand linear scales

SPECIFICATION

Code		ISD-Q542	ISD-Q652	ISD-Q762
Measuring range (X×Y×Z)		400×500×200mm	500×600×200mm	700×600×200mm
Glass stage size		560×630mm	660×750mm	760×870mm
Resolution of X/Y/Z axis		0.5μm		
Accuracy of X/Y axis		≤(2.5+L/200)μm (L is the measuring length in mm)		
Repeatability		2μm		
Objective		0.6X~8.0X (13.3:1 continuous zoom ratio)		
Working distance		83mm		
View field (diagonal length)		0.81~10.72mm		
Magnification		27X~356X (on 23.8" monitor)		
Camera		2/3"color CCD, 5M pixel		
Max. height of workpiece		135mm		
Illumination	surface	coaxial light, three-ring eight-zone adjustable ring light adjustable LED light		
	contour			
Operation system		Windows 10/11		
Max. weight of workpiece		35kg		
Drive method		automatic		
Environmental requirement		temperature: 20°C±5°C, relative humidity: 20%~80%, vibration: <0.002g, less than 15Hz		
Power supply		190~230V, 50Hz, 1650W		190~230V, 50Hz, 2250W
Dimension (L×W×H)		1400×1010×1780mm	1500×1110×1780mm	1600×1210×1780mm
Weight		825kg	950kg	1200kg

SPECIFICATION

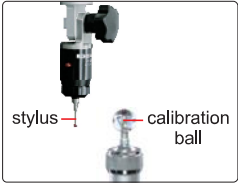
Code		ISD-Q1210	ISD-Q1612	ISD-Q2015
Measuring range (X×Y×Z)		1000×1200×200mm	1200×1600×200mm	1500×2000×200mm
Glass stage size		1140×1370mm	1380×1790mm	1700×2260mm
Resolution of X/Y/Z axis		0.5μm		
Accuracy of X/Y axis		≤(2.5+L/200)μm (L is the measuring length in mm)		
Repeatability		2μm		
Objective		0.6X~8.0X (zoom)		
Working distance		83mm		
View field (diagonal length)		0.81~10.72mm		
Magnification		27X~356X (on 23.8" monitor)		
Camera		2/3"color CCD, 5M pixel		
Max. height of workpiece		135mm		
Illumination	surface	coaxial light, three-ring eight-zone adjustable ring light		
	contour	adjustable LED light		
Operation system		Windows 10/11		
Max. weight of workpiece		35kg		
Drive method		automatic		
Environmental requirement		temperature: 20°C±5°C, relative humidity: 20%~80%, vibration: <0.002g, less than 15Hz		
Power supply		190~230V, 50Hz, 2750W		
Dimension (L×W×H)		2120×1590×1780mm	2530×1830×1780mm	3100×2120×1780mm
Weight		2300kg	3300kg	4900kg

STANDARD DELIVERY

Main unit	1pc
Dongle	1pc
Software	1pc
Lens with coaxial light	1pc
Controller	1pc
Computer	1pc
Calibration glass chart	1pc
Desk	1pc
Clay	1pc

OPTIONAL ACCESSORY

0.5X auxiliary objective	code: ISD-K-OB05X , working distance: 175mm magnification: 13.5~178X (on 23.8" monitor)
2X auxiliary objective	code: ISD-K-OB2X , working distance: 36mm magnification: 54~712X (on 23.8 " monitor)
Spectral confocal sensor	code: ISD-K-SCS (must be installed in factory)
Laser probe	code: ISD-K-LASER (must be installed in factory)
Probe	code: ISD-K-PROBE , includes Ø1mm styli and Ø2mm styli, Ø20mm calibration ball
Office software	code: 7313-OFFICE



probe (optional), includes
Ø1mm and Ø2mm styli,
Ø20mm calibration ball,
measuring accuracy is 5μm



laser probe(optional)
measuring accuracy is 4μm



spectral confocal sensor (optional)
measuring accuracy is 5μm

SOFTWARE (INCLUDED)

real-time image operation tools X/Y/Z axis

The screenshot displays a software interface for measuring objects. The interface is divided into several sections:

- real-time image:** A large central window showing a grayscale image of a square object with concentric squares inside.
- operation tools:** A toolbar at the top with various icons for measurement and manipulation.
- X/Y/Z axis:** A panel on the right showing the coordinates of the measured object: X0 = -21.0228, Y0 = -14.3658, Z0 = -94.7515.
- measuring objects:** A panel on the right showing a tree view of the measured objects, including "Main", "Output1", and "OutputExc...".
- light controller:** A panel at the bottom left showing a circular diagram with a central square and a "Speed Mode" indicator.
- movement controller:** A panel at the bottom center showing a diagram of a square with arrows indicating movement directions and a "Speed Mode" indicator.
- measuring results:** A panel at the bottom right showing a table of results.

Selected Features: 0 [2025-07-31 13:50:39-90][info][Software Information] Internal version: R.3.18

Number of program executions: 0 / 1 Finding Side Settings