

▼ Hardware Specification

Specifications	CAM120
Optical System	CCD Camera
Size (L*W*H)	410*250*300mm
Weight	3.5 Kg
Power	USB 2.0 (without additional power)
Sample stage	Height : 80mm, Diameter : 80mm
Specimen size (LxWxH)	∞*170*60mm
Resolution	800*600pixel
Light source	LED lamp (The sensitivity can be adjusted by software interface)
Adjustable range for stage	X:140mm
	Y:240mm
	Z:10mm

▼ Software Specifications

Specifications	CAM120
Operating System	Windows XP SP2
	Windows Vista
	Windows 8
	Microsoft.NET Framework2.0
Measuring Methods	Static measurements (average contact angle, left / right contact angle)
	Dynamic measurements, measure droplet size & droplet diameter
Measuring Range	0~180°
Image Format	AVI file
	Set up capture time for the image by user The Contact Angle can be measured any one frame picture of the AVI file
Data Measure	Measured data saved in excel
	Measured data can be drawn into the curve graph & Saved in JPG file
	Support the analysis of a large number of data
Surface Free Energy	Calculation method:

(a) Owens method

(b) Wu method

(C) Oss & Good method

Database with liquid parameters can establish their own parameters of liquid.