

Measurement camera resolution	StructureExpert Weld-6	1700*1080 px
	StructureExpert Weld-12	2056*1542 px
Field of view	StructureExpert Weld-6	From ~ 82 to 1.8 mm (~3.2" to ~ 0.07")
	StructureExpert Weld-12	View from ~ 7.7 to ~ 0.71 mm (~0.30" to ~ 0.03")
Zoom range	StructureExpert Weld-6	~ 2.5x- ~ 120x optical. Optical zoom / digital zoom combination
	StructureExpert Weld-12	~ 20x- ~ 240x. Optical zoom
Measurement resolution	StructureExpert Weld-6	From 48µm (lower magnification) up to 1µm (higher magnification)
	StructureExpert Weld-12	From 3.5 µm (lower magnification) up to 0.34µm (higher magnification)
PC recommendations (required, but not included)	Operating software	Windows 10/11, 64 bits
	PC	Intel Core CPU (I3/I5/I7), 16 GB RAM. 1920 x 1080 graphics, Min. 3 x USB 2.0 ports, Min. 1 x USB 3.0 port, Excel 2003 Pro Edition or higher
	Monitor	Minimal 22" Full HD monitor (1920 x 1080)
Data output		CSV, PDF (with virtual printer) Q-DAS export (optional) XML (optional)
Sample weight		Max. 2 kg (4.41 lbs)
Safety standards		CE labelled according to EU directives
Dimensions	StructureExpert Weld-6 (H x W x D)	35 x 24.5 x 22 cm (13.8 x 9.6 x 8.7")
	StructureExpert Weld-12 (H x W x D)	42.5 x 24.8 x 22 cm (16.7 x 9.8 x 8.7")
Weight	StructureExpert Weld-6	4 Kg (9 lbs)
	StructureExpert Weld-12	6 Kg (13 lbs)
Operating environment	Surrounding temperature	-5-40°C (23-104°F)
	Humidity	10%-90% RH non-condensing
Electrical data	Power supply	100 V AC – 240 V AC, 50/60Hz, single phase
	Power consumption Max. load	< 40W
	Idle	< 1W