



# QUALITY VISION INTERNATIONAL – Precision for People®

Quality Vision International (QVI<sup>®</sup>) is the world's largest vision metrology company. Founded in 1945, QVI is the world leader in optical, electronic and software technologies for vision and multisensor dimensional measuring systems.

Precision for People is more than just our slogan. It's our commitment to delivering our worldwide customers precision metrology systems, designed with the people who use them in mind. Precision for People - it's what we stand for.



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# **Measurements Made Simple**

## Large-Field-of-View, Digital Measuring Systems

QVI<sup>®</sup> **SNAP**<sup>™</sup> measurement systems use its unique large-field-of-view (LFOV) optical system to measure small parts with fine features. SNAP combines a high resolution digital metrology camera with specially designed optics and lighting to produce high accuracy images, even in shop-floor conditions.

All SNAP systems are simple to use. Single parts, multiple parts - even a mixture of different parts - are all measured automatically.

SNAP measurement systems are offered in three configurations to suit a wide range of measurement needs.



#### **SNAP 100**

	Standard	Optional		
Stage Motion	Z: 75 mm, Manual	Z: 75 mm, Motorized		
Field of View	78 mm Diagonal	Low Mag: 100 mm Diameter High Mag: 42 mm Diagonal		
Optics	Telecentric, Single Optical Mag	Telecentric, Dual Optical Mag		
Camera	QVI high density megapixel metrology camera	QVI LFOV megapixel metrology camera		
Depth of Focus	38 mm	Low Mag: 38 mm High Mag: 10 mm		
Measuring Range (Low Mag)	78 mm Diagonal	100 mm Diameter		





#### SNAP 200

SNAF 200					
	Standard	Optional			
Stage Motion	X: 150 mm, Z: 75 mm, Manual	X: 150 mm, Z: 75 mm, Motorized			
Field of View	78 mm Diagonal	Low Mag: 100 mm Diameter High Mag: 42 mm Diagonal			
Optics	Telecentric, Single Optical Mag	Telecentric, Dual Optical Mag			
Camera	QVI high density megapixel metrology camera	QVI LFOV megapixel metrology camera			
Depth of Focus	38 mm	Low Mag: 38 mm High Mag: 10 mm			
Measuring Range (Low Mag)	205 mm x 47 mm	250 mm x 100 mm			



#### **SNAP 300**

	Standard	Optional				
Stage Motion	X: 150 mm, Y: 50 mm, Z: 75 mm, Motorized					
Field of View	78 mm Diagonal	Low Mag: 100 mm Diameter High Mag: 42 mm Diagonal Ultra High Mag: 16 mm Diagonal				
Optics	Telecentric, Single Optical Mag	Telecentric, Dual Optical Mag				
Camera	QVI high density megapixel metrology camera	QVI LFOV megapixel metrology camera				
Depth of Focus	38 mm	Low Mag: 38mm High Mag: 10mm Ultra High Mag: 4mm				
Measuring Range (Low Mag)	205 mm x 97 mm	250 mm x 150 mm				

### **SNAP Metrology Software**

The **SNAP** software features AutoID, Feature Extraction and a simple user interface for easy shop floor operation. SNAP has 3 modes:

*Measure* mode allows you to instantly measure one or more parts at the press of a button, even if the SNAP has never seen the part before

*Run* mode is a simplified user experience that allows you to run existing part routines in a more controlled manner at the press of a button

**Program** mode lets users create, save and re-use part routines



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