

**c-vision Lite** is a manual, easy to use video comparator. Precision optics and vCAD electronic overlay charts make comparative measurements easy.

- Tri-magnification optics with advanced digital imaging technology
- Shop hardened and convenient for use on a workbench
- vCAD™ Virtual Chart Gage software - displays standard and custom overlay charts from your .DXF files
- Manual XY table motion with precision linear scales and fine adjusters

## Benchtop Video Contour Projector®

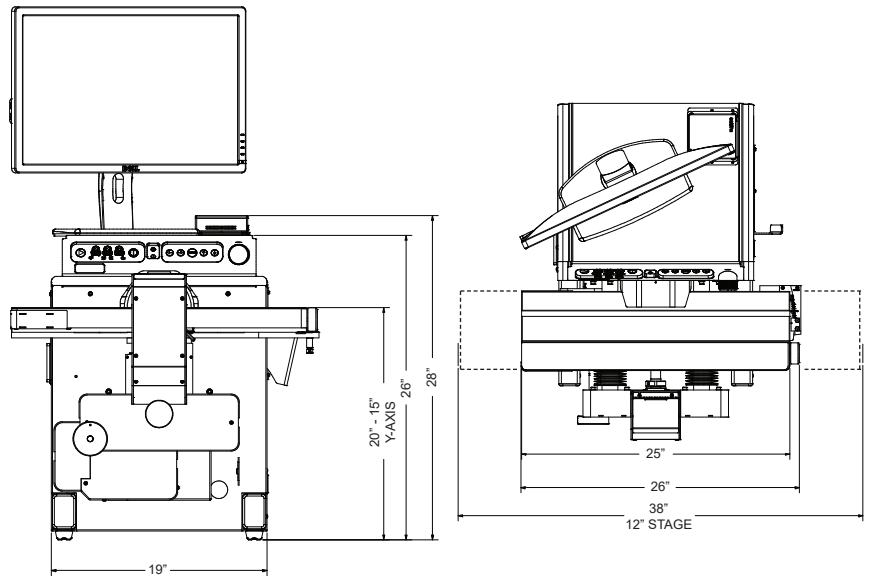


## Metrology Software:

- vCAD™ virtual chart gage software
- Optional: SNAP-X® 2D FOV metrology software, MeasureFit, Smart Report, SmartTree

## Available Options and Accessories:

- Barcode reader
- Universal fixture kit
- Rotary indexer
- Calibration standards
- Heavy duty steel weldment stand
- Ergonomic, motorized adjustable height stand
- Worktable dust cover
- Service and support contracts
- Motorized table (X,Y)



Uncrated: 355 lb Crated: 400 lb

	Standard	Optional																
XYZ travel range (in)	12 x 5 x 1.5																	
Helix angle range	±6.5° with pivoting worktable assembly and zero stop																	
Throat clearance (in)	8.0																	
XY scale resolution (in)	0.00004	0.00002																
XY drive system	Manual with quick release x-axis and fine adjustment knobs in X and Y	Motorized with variable speed joystick control and manual fine adjustment																
Worktable	Hardcoat anodized aluminum with dovetail slot																	
Recommended maximum load capacity (lb)	45																	
Optics	Telecentric, upright and corrected image with a manually operated three lens turret																	
		<table border="1"> <thead> <tr> <th></th> <th>Low (Standard)</th> <th>Medium</th> <th>High</th> </tr> </thead> <tbody> <tr> <td>Field of View</td> <td>2"</td> <td>1"</td> <td>0.5"</td> </tr> <tr> <td>Depth of Field</td> <td>1.5"</td> <td>1"</td> <td>0.2"</td> </tr> <tr> <td>Working Distance</td> <td>4"</td> <td>4"</td> <td>4"</td> </tr> </tbody> </table>		Low (Standard)	Medium	High	Field of View	2"	1"	0.5"	Depth of Field	1.5"	1"	0.2"	Working Distance	4"	4"	4"
		Low (Standard)	Medium	High														
	Field of View	2"	1"	0.5"														
Depth of Field	1.5"	1"	0.2"															
Working Distance	4"	4"	4"															
Illumination	Green LED profile light with continuously variable intensity control	Green LED oblique (dark field) ring light with eight selectable patterns and continuously variable intensity control																
Camera	QVI® High Density Megapixel Metrology Camera																	
Image processing		256 level grayscale processing with 10:1 subpixel resolution with optional software																
System controller	QVI micro system controller with Windows <small>*Controller configuration subject to change without notice.</small>																	
Power requirements	100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 400W																	
Rated environment	65°- 72° F, stable at ± 2° F; 30%-80% humidity; vibration <0.001g below 15 Hz																	
Operating environment, safe	60° - 85° F																	
Field of view accuracy <sup>1,2,3,4</sup> (in)	Low Mag: 0.0003 Med Mag: 0.0002 High Mag: 0.00016																	
<small><sup>1</sup>Applies to the smallest field size at each optical magnification. <sup>2</sup>XY axis artifact: QVI calibration reticle P/N 640298 or 640271. <sup>3</sup>Calibration artifacts must be positioned in the standard measuring plane, defined as perpendicular to the optical axis within 0.02 inch, and within 0.20 inch of best focus. Weight not to exceed 11 lb equally distributed on the worktable. <sup>4</sup>Applies to a thermally stable system calibrated and operated within the rated environment.</small>																		



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