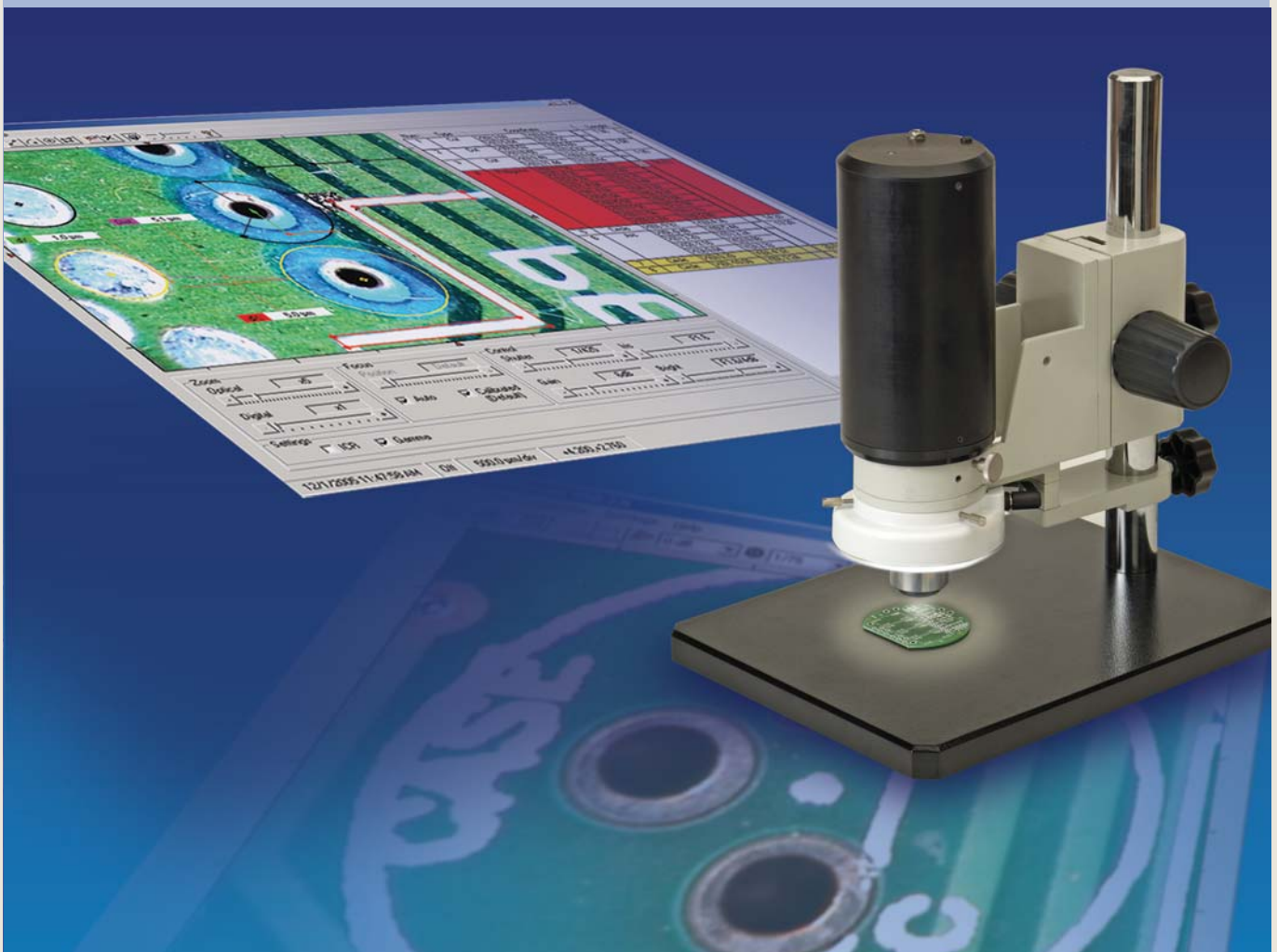


μ VideoScope

Video Microscope Measurement on your PC



- Performs calibrated measurements of magnified images
- Resolution down to 0.3 μm
- Video zooming X25 Optical, or X10 Digital
- High-resolution CCD detector (Approx. 800,000 pixels)
- Measures: Distances, Circles, Hole-to-Hole distances, Angles, Polygons, Tolerances
- Long working distance
- Exchangeable objectives
- Full USB2.0 interface with powerful user-friendly software
- Full hardware image-control including AutoFocus function
- Low light capability in B&W mode
- Software-edge enhancement



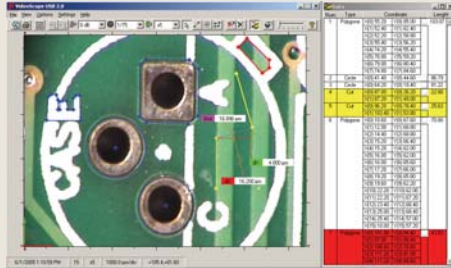
DUMA OPTRONICS LTD.

1st Hazait St., P.O.Box 3370 Neshar 20306, Israel Tel:972-4-8200577 Fax: 972-4-8204190

Website:<http://www.duma.co.il> E-mail:sales@duma.co.il

Performance

- Software support of various magnifications
- Full measuring built-in tools
- User adjustable dynamic range and camera parameters
- Full archiving data-base
- Graphical presentation of images



Objective	N.A. mm	W.D. mm	f mm	R μ m	Optical ZoomX1 Work Area (μ m)	Optical ZoomX25 Work Area (μ m)
X2	0.055	34	100	5		
X5	0.27	40	50	2	17500	1158
X10	0.28	33.5	20	1	5000	450
X20	0.42	20	10	0.7	2300	230
X50	0.55	13	4	0.5	673	92
X100	0.7	6	2	0.4	268	45

Main Hardware Features

- X25 Optical zooming
- 800,000 effective pixels CCD
- Large magnification
- Full hardware control of shutter speed, optical shutter, image parameters,
- Gamma control, motorized mechanical shutter
- Auto and Manual Focus over a limited travel

Specifications

Camera type	CCD 1/6" format, with approx. 800,000 effective pixels
Spectral response	350-1100nm
Magnification	Infinite conjugate objective and imaging lens. Objective magnification is X2, X5, X10, X20, X50, X100 user selectable. Built in motorized zooming function
Zooming	Motorized, Optical X25, Digital X10
Max frame rate	30Hz
Lens Working Distance	(W.D.) 6mm (for X100), 13mm (for X50), 20mm (for X20), 33.5mm (for X10), 40mm (for X5) 34mm (for X2), parfocal distance 95mm
Interface	USB2.0 version
Dimensions	163.5mm (L) x 83mm diameter (without objective and base) 370mm (H) x 200mm (L) x 270mm (W) with stand
Weight	4.5Kg with stand

Computer Requirements

Pentium 1.7GHz Centrino, 256MB RAM min, color VGA card 1024X768 resolution with 8MB RAM, one CD ROM, HDD with 10MB free space, one PS2 mouse port, one PS2 keyboard port, one High Speed USB2.0 port, Windows 2000/XP

Ordering Information

μVScope-X :	Complete system based on a measuring head with USB2.0 interface and Windows 2000/XP application program. Select type of objective magnification (X)
X(Objective magnification) :	x100, or x50, or x20, or x10, or x5, or x2
Stand :	Stand with LED illumination
μVSoft :	Software package for image analysis (for Windows 2000/XP platforms)

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