1	iSolution DT i-Solution™ iSolution Chan	releon	Name Con Con				
F.	iSolution Lite		Papernes		• •		: :

Specification	iSolution DT	i-Solution	iSolution Lite	iSolution Chameleon	Specification	iSolution DT	i-Solution	iSolution Lite	iSolution Chameleon
Acquire	•			•	View			•	•
Input Device					Zoom Tools				
All TWAIN Support Devices All WDM Support Devices All i-Link from Sony Support Devices Optronics digital cameras Jenoptik ProgRes digital cameras Nikon digital cameras					1) Zoom In, Out, and 100% 2) Zoom In Window for More Accurate Edge Detect 3) Zoom 10% to 1600% User Defined Fit to Window or Image Status Bar Context Window to Manipulate Several Imags				
7) Lumenera digital cameras 8) Pixera digital cameras					Edit	•	•	•	•
Scion digital cameras Scion digital cameras Matrix vision mvBlueFox digital camera					Undo, Redo, Copy, Paste, Paste New, Delete Delete All, Annotate, Image Information				
Olympus digital cameras Leica digital cameras by TWAIN Carl Zeiss AxioCam digital cameras by TWAIN Olymaging digital cameras					Annotate Line, Polyline, Spline, Rectangle, Ellipse, Text label				
16) Pixelink digital cameras 17) Diagnostic Instruments Spot digital cameras					Process				
18) FlashBus frame grabbers					Filter, BCG Control, Pseudo Color	•	•		•
19) Matrox frame grabbers					Filter				
Image Capture 1) Time Lapse Capture 2) Movie Recordings in AVI, MPG, MPEG, MOV 3) Crosshair Generation on Live Preview Window 4) Grid Mask on the Live Preview Window according	no				Edge: Gradient, Kircsh, Laplas, Sobel, Variance Enhance: Auto Brightness and Contrast, Average, Background Correction, Equalize, Median, Sharping, Smooth Morphology: Clean, Close, Dilate, Erode		•	•	•
to the Calibrated Scale 5) Measurement on Live Preview Window	15				Fill Holes, Open, Split 4) Special: Emboss, Negative			•	•
Image File Format					Focus Enhancement (Multi Focus)				
jpg, jpeg, jpe, tif, tiff, bmp, gif, pcx, tga, mpg mpeg, avi, mov, img, rpt, txt and etc.					Combine Individual Partly Focused Images into a Single In-Focus Composite Image Combine without Trace	•	•	•	•
Overlay 1) Crosshair 2) Grid mask					3) Auto Compensating Displaced Images from Stereo Microscopes	•			•
3) Image 4) Marker					Image Stitching 1) Perfect Auto Montage.	•			
					Automatic Images Stitching by Automated				
Image Mode Change, Clone, Crop, AOI, Resize Rotate Split, Combine Color Plane		•	•		Microscope Stage. 2) Auto and Manual Image Stitching 3) Stitching without Trace and Correcting any Irregularities in Brightness	•	•	•	•
Image Mode Change					Calibration	•		•	
Grayscale, RGB, HSB, YUV, 8bit and 16bit per Channel AOI Control 1) Rectangle, Arbitrary Rectangle, Ellipse, Arbitrary Ellipse, Polygon, Spline Shape, Magic Wand 2) Copy, Paste, Crop AOI					Calibration 1) Full Auto Calibration 2) Semi-Auto Calibration 3) Special Calibration X and Y				
Combine					Insert Calibration Marker Split Calibration Marker 4 and 16				
Split Color Plane RGB, HSB, YUV Combine Color Plane RGB, HSB, YUV Combine Color Images directly by Mean, RGB, Fluorescence Mask and Add					6) Save and Open Calibration Large Size Object Measurement	•			
Sequence Control					 Auto Objects Movement Tracking Semi-Auto Objects Movement Scan 				
Play Forward, Backward Making Movie File(mpg, avi, mov) with Still Images Split Single Image from Sequence File					 Senir-Auto Objects Movement Scan Manual Objects Movement Scan Graphic Window Generation of the Secondly Measurement Data from the First Measurement Data 				
					D 1				
					Development				



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Specification	iSolution DT	i-Solution	iSolution Lite	iSolution Chameleon	Specification	iSolution DT	i-Solution	iSolution Lite	iSolution Chameleon
Auto Edge Detector	•				Measurement Parameters				
Auto Line Edge Detector Auto Point Detector Auto Circle and Arc Edge Detector Auto Angle Detector					Area, Hole Area, Perimeter, Hole Perimeter, Max Length, Max Width, Average Dimension, Size by X, Size by Y, Average Chord, Min Feret Diameter, Max Feret Diameter, Average Feret Diameter, Equal Circle Diameter,				
Grid Mark	•	•	•	•	Major Ellipse Diameter, Minor Ellipse Diameter, Line Length,				
Grid Mark on the Live Preview Window according to the Calibrated Value Scale Marker on the Live Preview Window Grid Mark on the Captured Image according to the Calibrated Value Crosshair Generation on the Live Preview Window					Line Width, Ribbon Length, Ribbon Width, Circle SF, Ellipse SF, Roundness, Roundness-ALT, Elongation, Center X, Center Y, Angle, Red Color, Green Color, Blue Color, Hue, Intensity(Min), Intensity(Max), Intensity(Mean), Intensity(Integral), Intensity(Standard Deviation), % Area, % Hole, Convex Perimeter, Biovolume sphere/				
Measurement		•	•		ellipsoid/ rod/ cone/ irregular, Triangle Ri/ Ro/ Ai/ Ao/ C/ ER, Round Davg/ Dmax/ Dmin/ DE/ DR,				
Point, Straight Line, Spline, Polyline, Polygon Rectangle, Circle, Best Fit Circle, Circle By 3 Points, Angle, Angle Between 2 Lines, Distance, Parallel Line Width, Lines From Common Reference Point, Perpendicular Line Length 2) Auto Tracing Objects Select Tool for Edit Measurements Measurement Data					Polygon Lmax/Lin/RD/LR Measurement Data 1) Measurement Data 2) Statistics Data from all Parameters 3) Classification and Statistics for each Parameters 4) Export to Excel Original Image, Overlay image Measurement Data, Statistics, and Chart in one step	•	•	•	•
5) Measurement Statistics					Objects Editing				
Export to Excel	•	•	•	•	Target objects can be sorted by more than 65 measurement parameters as well as by the simple				
Export to Excel Gray Image Data					bright and color difference.				
Export to Excel Overlay and Original Image Measurement Data, Statistics, and Chart					Data Collector and Macro Profile	•			
Save 1) Saving Data with TXT File Format 2) Saving all the image and the measurement data together with img File Format	•	•	•	•	1) Straight Line 2) Polyline 3) Parallel Line 4) Select and Change				
Report		•							
Report Generator					iSolution DT includes all the I	pelow fo	eatures	also.	
Create Report Insert Image and Data					Caliper				
3) Insert other OLE Objects					Phase Analysis				
Window	•			•	Densitometry				
Split Horizontal, Split Vertical, Cascade Tile Horizontal, Tile Vertical, Arrange icons					Graphite analysis in Nodular Cast Iron (ASTM A247, ISO 945, KS D4302, JIS G5502)	•			
Dynamic User Interface (UI)					Grain Size Measurement (ASTM E1	12)			
1) Classic 2) Modern					Chart Navigator				
Count and Size					Non-metallic Inclusion Rating Analysis (ASTM E45, ASTM E1122, ISO 49)				
Auto Count Objects	•	•		•	DIN 50602, KSD 0204, JIS G0555)	<i>51</i>			
Auto Detect Objects Edit the Counted Objects by Add, Subtract, Cut, Split, and Morphological Filters Set the Measurement Range					Thickness Measurement Average Width Measurement Perfect Focus Enhancement	nt •			
Manual Objects Count	•				Fruit Size Analysis				
Rectangle, Arbitrary Rectangle, Ellipse, Arbitrary Ellipse, Polygon, Spline Shape, Magic Wand Invert Objects, Separate Object					Motorized Stage Control SDK (Software Development Kit)	•			