XT-SVM-M1410
Manual Measurement System

The Scienscope XT-SVM-M1410 Manual XYZ measurement system provides the largest cost effective platform for a variety of applications. The M1410 has a 14x10x8" (350x250x200mm) stage travel. The stage, column and base are granite for thermal stability and strength. Virtually maintenance free, the price to value is unbeatable. Ask for a demonstration today; or send us some samples for measurement.

System Details
FEATURING
- Precision Granite Base, Stage and Column
- 1/2 (0.5) Micron Resolution Tape Scales
- 1/2" Color 1.3 Megapixel Camera
- 23" LCD Widescreen Monitor
- Zoom Lens with magnification detent sensor
- Quick Lock/Release X/Y Stage
- Software controlled Quad LED top Light
- Software controlled collimated LED Back Light
- M3 MetLogix Software
- True position, GDT and tolerancing, reporting
- CAD layout window, DXF capability
- Live image screen
- Annotation and video capture for archiving and part documentation
- All geometric functions (circle, arc, angle, distance, etc.)
- Workstation Table Optional
- 1 Year Full Warranty

Applications
- Medical
- Optics
- Defense
- Life Sciences
- Automotive
- Sheet Metal
- Circuit Boards
- Electronics
- Solar
- Consumer
**MACHINE VISION**

1. 1/2" color 1.3 megapixel USB 3.0 Digital Camera
2. Zoom lens with detents
3. Lens Magnification Sensor
4. Software feedback for magnification changes

**MACHINE VISION**

**STAGE DETAILS**

1. Glass Stage Level Adjustments
2. Y-Axis Stage Lock / Quick Release
3. Built-in 1/2 micron resolution tape encoder scale (X/Y)
4. Precision Granite base
5. Y-axis stage knob
6. X-axis stage knob
7. X-Axis Stage Lock / Quick Release

**QUADRANT 72-BULB LED TOPLIGHT**

- 1/4 CIRCLE
- DOUBLE-SIDED
- 1/2 CIRCLE
- 3/4 CIRCLE
- FULL CIRCLE

**4X LARGER LENS WITH COLLIMATED BACKLIGHT**

- Enlarged Lens
- Legacy Lens
- STANDARD LIGHT
- COLLIMATED LIGHT
  Produces high contrast silhouettes & increased illumination

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**General Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>XT-SVM-M1410</th>
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<tbody>
<tr>
<td>Measuring Range</td>
<td>14&quot; x 10&quot; x 8&quot;</td>
</tr>
<tr>
<td>Magnification Calibration</td>
<td>Image Magnification Calibration NEW</td>
</tr>
<tr>
<td>Measurement Software Options</td>
<td>MetLogix M3 Software</td>
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<tr>
<td>Standard Magnification</td>
<td>25X to 158X / Capable of up to 316X</td>
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<tr>
<td>Illumination</td>
<td>Quad LED top &amp; Collimated back light</td>
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<tr>
<td>Power Supply</td>
<td>110V - 220V ± 5% 50/60Hz</td>
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<tr>
<td>System Resolution</td>
<td>1 μm</td>
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<tr>
<td>Accuracy (X/Y) at 20°C</td>
<td>(3L/H/200) μm, L in mm</td>
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<tr>
<td>Repeatability</td>
<td>± 1 μm</td>
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<tr>
<td>Camera</td>
<td>1/2&quot; Color USB 1.3 Mega Pixel Digital Camera</td>
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<tr>
<td>Support Stand</td>
<td>Table top or workstation Optional</td>
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**THIS SYSTEM INCLUDES A 1 YEAR WARRANTY ON PARTS AND LABOR**