



### APPLICATIONS

- Non Contact Measurement
- Measuring Very Small Dimensions
- Measurements not possible with traditional methods
- Medical Forensics
- Criminal Forensics
- Machine Tool Alignment and sizing
- Quality Control and Industrial Monitoring

**ACCURATE MEASUREMENTS:** While video can be used to measure any dimension, it is commonly used to measure very small sizes or objects that cannot be measured through traditional methods.

**DESIGNED FOR PRECISION:** The VMU300 was designed to overcome the non-linearity and precision limitations of analog based units. Calibration data is entered via a keypad offering a far great range in values.

**HORIZONTAL, VERTICAL AND DIAGONAL:** Linear measurements in any direction. Can display all three directions or just one or two.

**MORE MEMORIES:** The VMU300 will remember all settings and line positions when power is removed. There are also ten user memories to store calibrations for multiple magnifications.

**METRIC OR ENGLISH:** The VMU300 has multiple units of measure that can be displayed for both English and Metric. Custom units may also be entered.

**DESIGNED TO WORK THE WAY YOU DO:** Menu system allows for extensive display layouts including number of significant digits, decimal display, colors, background and much more.

### FEATURES

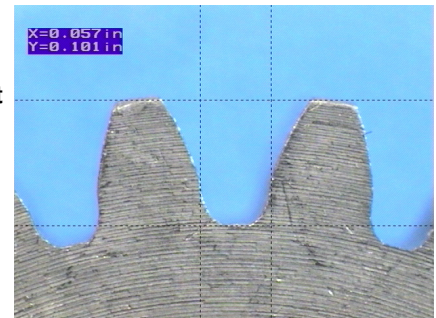
- Measures horizontal, vertical or diagonal linear dimensions
- High resolution—1/1280 NTSC and 1/1536 PAL horizontal
- Ten user memories for quick retrieval of stored settings
- Remembers all settings when power is removed
- Wide selection of standard English and Metric units
- Display precision can be adjusted over several digit range
- Independent and tracking modes for cursor control
- Controls can be independently locked to avoid unintentional line movement.
- Line (solid or serrated) or box mode
- Numeric display may be one of eight colors with or without color background and located anywhere on the screen
- Built-in reference color bar generator
- Extensive unit setup via easy to navigate menus
- Very high quality optical encoder controls
- Advanced phase locked loop for high position repeatability
- Composite and S-Video compatible (VMU300 only)
- RGB and RGBS units optionally available (VMU400 only)
- Automatically detects NTSC or PAL video sources
- Can operate from +12VDC for mobile applications

**FLEXIBLE CONNECTIONS:** The VMU300 operates with composite or S-Video signals and will automatically detect whether the input signal is PAL or NTSC. An RGB version (VMU400) is also available.

**EASY TO USE:** Commonly used functions have dedicated buttons to allow for easier use. Scale factors are entered via a keypad for fast and precise calibration.

**BOARD AND CUSTOM PRODUCTS:** MicroImage Video Systems offers many of its products, such as the VMU300, as board level for OEM applications. We can create units with custom features and custom designed boards.

**MORE INFORMATION?** Additional product information, specifications, user manuals and application notes are available on our website, including the latest available features.



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Prices and specifications are subject to change without notice

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