

*For magnified inspections
and routine assembly,
VDM is the comfortable choice.*

FEATURES

- Optical real time high magnification color imaging
- Interchangeable Lens options:
 - EDF with long focus depth and variable magnification
 - Zoom with positionable magnification
- Convenient viewing on 15" color monitor
- Stable metal stand with small footprint and built-in back light



VDM with Zoom Objective

VIDEO INSPECTION SYSTEM

VDM Makes Microscope Inspection Easy

VDM-E/Z™ is a compact microscope system that makes high magnification inspection and assembly less stressful through the use of RAM video technology. No need to peer into an eyepiece all day to inspect small parts or important details on complex parts. Video imaging technology from RAM Optical presents high resolution color images on a 15-inch LCD monitor for viewing from a comfortable distance by an individual or by a group. Great for training inspection teams.

VDM - Video Direct Microscope - is available with two lens options. The unique EDF (Extended Depth of Field) objective is extremely versatile. Its unique optical design keeps detail in focus when the part is as much as 6 inches from the lens. The EDF objective includes fiber optic on-axis illumination.

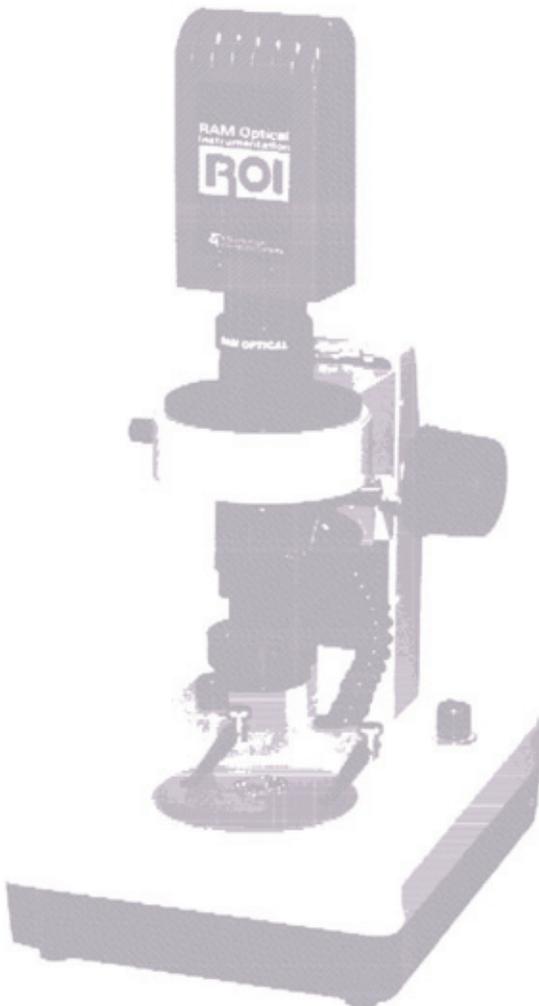
For inspections at set magnifications across a range, choose the Zoom Objective. Its 6.5 to 1 zoom range magnifies from 30 to 170 times on the 15-inch LCD monitor. Optional lens adapters can extend that range to 300 times. Either lens is easily interchangeable, so you can

configure the VDM with the lens you need for the job at hand. The Zoom objective comes with a fiber optic ring light.

The VDM base has a built-in back light and post with Z position and fine focus adjustments.

Outfit VDM with the BL-11 Universal measuring stage to add basic measurement capability. Position a part on the stage and read out X and Y dimensions as you translate the stages while watching the magnified image on the monitor.

VDM from RAM is the low cost way to improve your visual inspection processes while reducing the strain on your operators. VDM is the inspector's preferred choice.



VDM-E/Z

Video Direct Microscope

The Vision is Simplicity

TECHNICAL SPECIFICATIONS

Video Direct Microscope

VDM-E/Z

| | |
|--|--|
| Weight, approximate (with stand) | 8 lbs/3.6 kg |
| Platform Dimensions, X,Y,Z in. (mm) | 9 x 9 x 18 (230 x 230 x 460 mm) |
| Illuminator Dimensions, X,Y,Z in. (mm) | 7 x 7 x 4 ⁷ / ₈ (180 x 180 x 125 mm) |

Base Stand

Metal; 8" (200 mm) stainless steel post;
Z focusing knob with 2" (50 mm) range; integral back light
Universal Pillar Stand includes focusing arm

Optional Stand

Camera

High resolution color CCD with 768 x 494 pixel array

Illumination

150 W Fiber Optic Illuminator Unit

Zoom Lens (Must specify one or both lens options)

| | |
|--|--------------------|
| Zoom Objective (includes fiber optic ring light) | 6.5:1 |
| Working Distance | 3.3" |
| Magnification on 15" LCD monitor | 30X to 170X |
| Magnification on InSite 2 | 10X to 75X |
| Optional Auxiliary Lenses | 0.5X 1.5X 2.0X |

EDF Objective

(includes fiber optic on-axis light)

| | | | | | |
|----------------------------------|---------|-----|-----|------|-------|
| Working Distance | 3" - 6" | 2" | 1" | 0.5" | 0.25" |
| Magnification on 15" LCD monitor | 18X | 26X | 55X | 111X | 210X |

Optional Controller, InSite 2

Color LCD display; crosshair generator; crosshair size, illumination, and mode controls; DRO with skew alignment; focus indicator; edge detector indicator; motorized zoom control; remote monitor output

Hardware Options

Video Capture Device | Dust Cover

Power Requirements

110 VAC±5%, 50/60 Hz, 1Φ

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