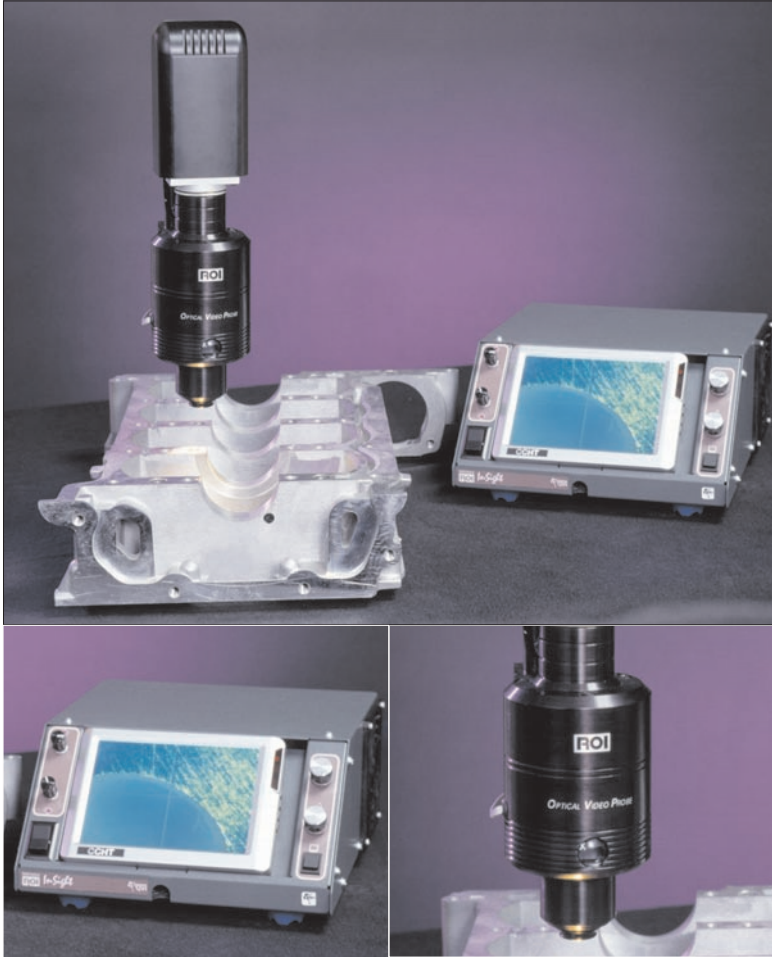


OVP

Optical Video Probe

The Vision is Simplicity

RAM Optical
Instrumentation
ROI
A Quality Vision
International Company



Features

- Motorized 6.5 to 1 parfocal zoom lens
- Large 3.3" working distance
- Lightweight electro-optical assembly
- Brackets and spindles for most popular CMM models available
- InSight controller displays live video images on sharp, color LCD
- Fiber optic illuminator provides uniform surface illumination

Non-Contact Vision for CMMs

OVP™, the patented Optical Video Probe from RAM Optical, is an integrated optical imaging system that brings high resolution video inspection capabilities to CMMs, toolmaker's microscopes, and other machines and systems.

Sharp Imaging

The OVP includes a quality 6.5:1 parfocal zoom lens with motorized adjustment. The lens accurately magnifies features that are too small for contact probing. The included fiber optic ring light increases surface definition for highest image quality from the CCD camera.

Display and Control

The InSight™ controller includes convenient illumination controls, pushbutton magnification adjustment, and built-in sets of crosshair targets to assist inspection tasks. Its 6.75-inch LCD display is angled for comfortable viewing and provides sharp images, simplifying visual inspection. An optional 13-inch color video monitor can be connected to InSight - ideal for simultaneous viewing by several people.

Ready to Go

All power and illumination is supplied by InSight - no other connections to your CMM are required. OVP is available with spindles for most popular CMM models. A dovetail bracket makes mounting and removal of OVP quick and easy.

OVP is the cost-effective way to add quality non-contact video imaging capabilities to your CMMs and other machines and systems.

Technical Specifications

System	
Zoom Lens	6.5:1
Working Distance	3.3"
Magnification Range (InSight)	10X to 75X
Magnification Range (optional 13" monitor)	25X to 150X
Auxiliary Lens	2.0X (included)
Camera	High resolution color CCD with 768 x 494 pixel array
InSight Controller	Includes video screen, cross-hair generator, and illuminator
Dovetail Mounting Bracket	One included, specify 4", 5" or 6"
Spindle	Specify make and model of CMM
Illumination	Fiber optic ring light
Power Requirements	
	110 VAC, $\pm 5\%$, 50-60 Hz

Physical	
OVP Dimensions, XYZ	3.25" x 3.5" x 12" (8.3 x 9 x 30 cm)
OVP Weight, approximate	5 lbs. (0.9 kg)

Options	
Auxiliary Lenses	0.5X, 1.0X, 1.5X
13" Color Monitor	Connects to InSight Controller
On-Axis Fiber Optic Illumination	Auxiliary lens required

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