

IMVM

Industrial Mini Video Zoom
Microscope

Principle

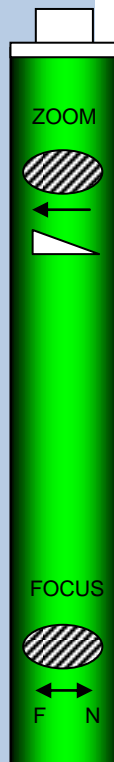
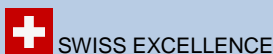
Despite of it's very small dimensions, the IMVM (both models) has an efficient built in white LED ring illumination.

The microscope is easy to handle. By tuning the thumb wheel at the upper end of the tube clockwise, the magnification will increase. With the thumb wheel 'focus' at the lower end of the tube, the picture can be adjusted to sharp in a wide range **without changing the working distance**. IMVM does not have an ocular but creates a video signal by the built-in color CCD-camera. The pictures can be shown on TV, Video- or PC-monitors.

IMVM-300 provides the direct variation of magnification (zoom). The magnification area is from 1x up to approx. 300-times* **without changing the lenses**. At max. magnification, the field-of-view on the screen is 1000 μ m.

IMVM-600 provides the direct variation of magnification (zoom). The magnification area is from 10x up to approx. 600-times* – **without changing the lenses**. At max. magnification, the field-of-view on the screen is 500 μ m.

* referring to a 17" monitor.



Key Features

- ✓ High depth of focus
- ✓ High working distances
- ✓ Variable zoom up to 300x / 600x
- ✓ Integrated white LED illumination
- ✓ Lightweight: 85g
- ✓ Compact size: 160mm x 22mm
- ✓ Easy to built in machines, robots and handlers

Application Fields

In production, research and development laboratories

- Manual / automatic inspection of difficult accessible parts in narrow / tight surroundings
- Production process controlling
- Product presentations of small parts (i.e. in museums)
- Comfortable support for manual works, i.e. microwelding sector
- Integration in small process rooms (remote – controlling)

Scope of Delivery

- Miniature Video Microscope with integrated LED illumination
- Control-box with LED dimmer (analog with PAL-output)
- 12V power adapter
- RCA video cable
- 7-Pin controller cable
- LED diffuser

Options

- USB control-box with PC software driver
- Tripods

Versions

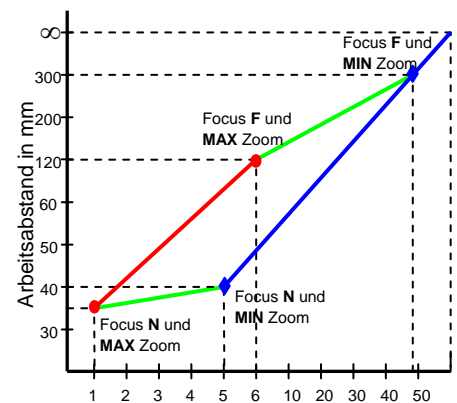
- **IMVM-300** set with max. magnification up to 300x
- **IMVM-600** set with max. magnification up to 600x

Magnification/Working Distance

IMVM-300:

The relation from working-distance to the field-of-view (magnification) is shown in the diagram below.

Within the 4 corner-points: MIN / MAX zoom and the NEAR / FAR focus point every combination is adjustable.



Field-of-View in mm, displayed on the monitor

