

Opt-E-Box W1

*Adaptable - Rugged - Compact
Reflected-light Microscope*



Opt-E W1, C-mount camera and Nikon CFI-60 series objective.

The Opt-E-Box W1 is a reflected-light microscope for industrial, laboratory and educational applications. The W1 is available as a module, or complete system with software and is well suited to integration into a system.

The LED based Koehler illumination system provides a large, uniformly illuminated field. The source is controlled and powered from a USB2 virtual COM port.

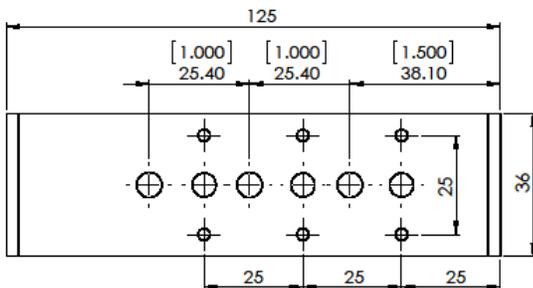
The M25 x 0.75 thread is compatible with Nikon CFI-60 objectives and is easily adapted to any thread type. A variety of LED colors are available standard. The default camera (tube) lens is a 100 mm focal length doublet.

We can adapt the W1 quickly for your needs using custom or catalog: optics, mechanics, electronics and software.

If the W1 does not fit your application, then we can make a WN for you.



W1 box is
92 x 125 x 36 mm



Bottom:
(3) M6 &
(6) M3
on 25 mm

(3) 1/4"-20
on 1"

Prices and specifications are subject to change without notice.

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Opt-E W1-IM

Interference Microscope for Surface Profiling



The Opt-E W1-IM interference microscope for surface profiling is based upon the W1 reflected-light microscope body. We add to it an nPoint piezo-stage for fine focus and phase-shifting and a Nikon Mirau interference objective to produce a compact instrument for surface profilometry.

A complete system with Phasor, a simple, open-source LabVIEW™ software package is available to provide surface profilometry data using phase-shifting measurement techniques.

The W1-IM with Phasor works well in laboratory and industrial environments where it can be easily used in an experimental or for process development. Once a process is developed using the W1-IM, it is easy to integrate it into an instrument or production process.

Opt-E can provide a complete instrument, or we can help you integrate the W1-IM, or just provide you a box.

The WM-IM is optionally available with Äpre Instrument's Reveal software because options are good.

The W1-IM can be run from a notebook computer with a USB3 port for the camera, a USB2 port for the light source and a USB2 port for the piezo driver. Many configurations are possible.

SolidWorks, STEP and IGES models of the housing are available.



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