5X Michelson White Light Interferometric Objective

Applications:

White light interferometric objectives are usually used for three-dimensional surface topography detection, and are one of the most important supporting devices in white light interferometers. It can also be mounted on a metallurgical microscope to analyze the degree of irregularities on the surface of the sample.

The user can calculate the relevant parameters of the 3D topography of the surface by interpreting the interference fringes or by the corresponding software.

Features:

1. Localized white light interferometric objective lens with independent core technology
2. Compact structure, high contrast of interference fringes
3. It can be applied to various types of metallurgical microscopes of infinity systems
4. The reflectance of the measured object can be as low as 0.5%

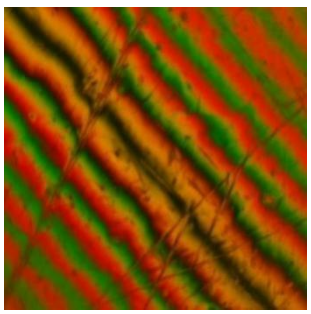
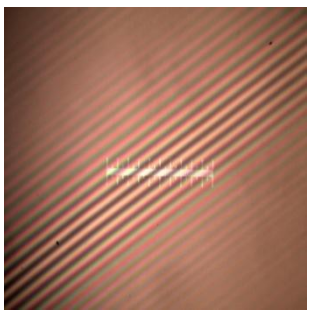
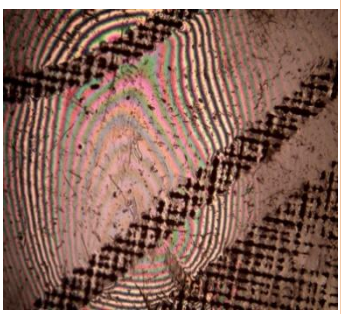
(webpage)

Optical design: Michelson infinity white light interference structure

Parameters:

Magnification		5X
Optical design		Michelson infinity white light interference structure
NA		0.15
WD(mm)		9
Focal length (mm)		40
Depth of field (μm)		43
Resolution (μm)		2.8
Field of view (mm)	1/2 CCD	1.4x1.05（φ1.75）
	1/2CCD+0.5X	2.8X2.1（φ3.5）
Operating wavelength (nm)		400~700nm
Sample reflectivity		Not less than 0.5%
Installation dimensions		4/5X1/35’ （RMS）

Image Effects:

Contact Information: