

# WALTER-3000 Gold

## INFINITY OPTIC SYSTEM



# FEATURES

## INFINITY OPTIC SYSTEM

A new generation of microscopes feature Walter infinity high contrast Plan Achromatic DIN optics. The standard Köhler illumination system provides uniformly bright and free-from-glare specimen illumination, which optimizes a high image quality with brighter and sharper resolutions for micrography. The compact body is designed for flexibility, which can perform various applications such as brightfield, darkfield, and polarization. Trinocular microscope can be equipped with digital camera and Retina screen for photo and video documentation and image analysis.

### Features and specifications:

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Viewing Head          | Siedentopf binocular or trinocular head 50/50 light splitting ratio                         |
|                       | Interpupillary adjustment of 48mm-75mm                                                      |
|                       | 30° inclined and 360° rotatable, fully up or down swiveled eyepiece tubes                   |
| Eyepiece              | Both diopter adjustable, High eyepoint 10x and 25x widefield eyepieces                      |
| Reverse Nosepiece     | Quintuple objective nosepiece                                                               |
| Objectives            | Infinity corrected, high contrast (HC) Plan Achromatic DIN 4X/0.10 ∞/0.17                   |
|                       | Infinity corrected, high contrast (HC) Plan Achromatic DIN 10X/0.25 ∞/0.17                  |
|                       | Infinity corrected, high contrast (HC) Plan Achromatic DIN 20X/0.40 ∞/0.17                  |
|                       | Infinity corrected, high contrast (HC) Plan Achromatic DIN 40XR/0.65 ∞/0.17                 |
|                       | Infinity corrected, high contrast (HC) Plan Achromatic DIN 100XR/1.25 oil ∞/0.17            |
| Focusing System       | Low position coaxial coarse and fine focus knobs                                            |
|                       | 37.7mm per coarse rotation                                                                  |
|                       | 0.1mm per fine rotation, fine focus graduation of 1µm                                       |
| Stage                 | 216mmx150mm built-in double layer mechanical stage                                          |
|                       | Smooth X/Y calibrated movement with cross travel range 7.5cm x 5.5cm                        |
|                       | Non-extending rack                                                                          |
|                       | Graphite surface, rounded edges                                                             |
| Condenser             | Flip top Abbe condenser                                                                     |
|                       | 0.9 Dry/1.25 Oil(with slot for slider)                                                      |
| Illumination          | Built-in Kohler illumination with field diaphragm                                           |
|                       | Focusable N.A. 1.25 Abbe condenser, adjustable aperture iris diaphragm with graduated scale |
|                       | With slot for slides                                                                        |
|                       | 5w LED                                                                                      |
|                       | With light intensity control                                                                |
| Optional Accessory    | Dark field kit, Polarizing kit                                                              |
| Dimensions and Weight | 21"x12.8"x15.4"/21 lbs                                                                      |

### Standard built-in features, added value to microscope

- Both high eyepoint eyepieces with diopter adjustment, 22mm wide field of view.
- Free rotation of binocular ocular tubes up or down, the viewing height can be changed to suit individual viewing position.
- Special large work stage 216 X 150 mm, with non-extending rack.
- Standard Koehler illumination with field diaphragm for optimum illumination and contrast .
- 5w LED to ensure brilliant images in different application requirements.
- Standard high contrast plan infinity objectives, 4X, 10X, 20X, 40XR, 100XR with quintuple nosepiece

### Walter Gold - Quintuple nosepiece Infinity HIGH CONTRAST plan objectives microscope

| Item No. | Description     | Infinity HC Plan DIN Objectives | Illumination    |
|----------|-----------------|---------------------------------|-----------------|
| 3010-L5  | Trinocular Head | 4X, 10X, 20X, 40XR, 100XR       | 5W LED - Kohler |





## FEATURES

---

### INFINITY OPTIC SYSTEM



### 11.6” Retina HD Display with 5MP Camera

This bundle combines an HD retina screen and 5MP digital eyepiece camera for a full high-definition experience. The camera can connect to the monitor directly through the HDMI port, eliminating the need for a computer. User will be able to record videos, capture images, take measurements, save files and export directly to the included SD card. A USB mouse is also included for convenience of use.

### Features and specifications:

#### 11.6” HD Retina Screen

|            |             |
|------------|-------------|
| Size       | 11.6”       |
| Ratio      | 16:9        |
| Resolution | 1920 x 1080 |
| Port       | HDMI        |

#### Digital Camera

|                |                      |
|----------------|----------------------|
| Sensor         | CMOS                 |
| Resolution     | 5 mega pixels        |
| Max Resolution | 2592 x 1944          |
| Frame Rate     | 15 frames per second |
| Output Port    | USB2.0, SD, HDMI     |
| Compatibility  | Windows, Linux, Mac  |

