UCOMAX
UNITED COMPANY OF INDIA

METSCOPE ULTRA

UPRIGHT METALLURGICAL MICROSCOPE
WITH TRANSMITTED & REFLECTED LIGHT

INTRODUCTION

Metscope Ultra upright metallurgical microscopes have been developed for research with a number of pioneering design in appearance and functions, with wide field of view, high definition and bright/dark field semi-apochromatic metallurgical objectives and ergonomical operating system, they are born to provide a perfect research solution and develop a new pattern of industrial field. The objectives could be motorized controlled by the buttons on the microscope front base, the illumination intensity will change after changing objective.

MICROSCOPE CONTROLS

✦ ERGO TILTING TRINOCULAR HEAD.

Eyepiece tube can be adjustable from 0 ° to 35 ° ,Trinocular tube can be connected to DSLR camera and digital camera, having a 3-postion beam splitter (0:100, 100:0, 80:20), the splitter bar can be assembled on the either side according to user's requirement.

✦ FOCUSING SYSTEM.

In order to make the system suitable for the operating habits of the operators, the knob of focusing and stage can be adjusted to the left-hand side or right-hand side. This design makes the operation more comfortable.

✦ NOMARSKI DIC.

With newly designed DIC module, the height difference of a specimen which can not be detected with brightfield becomes a relief-like or 3D image. It is ideal for the observation of LCD conducting particles and the surface scratches of hard-disk etc.

MOTORIZED OBJECTIVE SWITCH AND ECO FUNCTION

Objectives could be switched by simply pressing the rotating buttons. Users could also self-define two of the most commonly used objectives and switch between these two objectives by pressing the green button. The light intensity will be automatically adjusted after you change the objective. The microscope light will be off automatically after 15 minutes from operators leaving. It not only saves energy, but also saves the lamp lifetime.

SHORTCUT BUTTONS

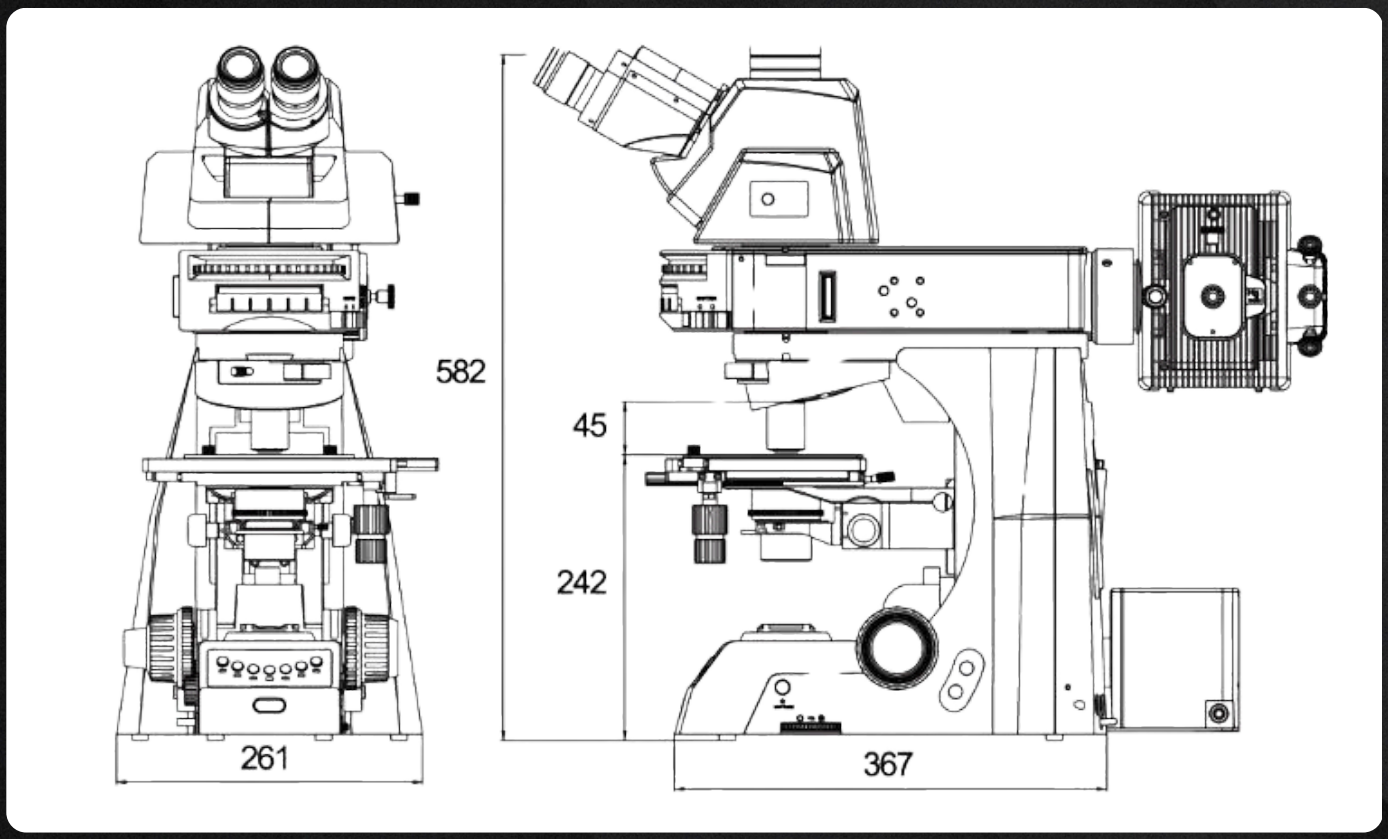
With this shortcut button, the user could switch 2 pre-set objectives fast. This shortcut button also could be set with other functions by users.

NIS45 INFINITE PLAN SEMI-APO AND APO OBJECTIVES.

With high transparent glass and advanced coating technology, NIS45 objective lens can provide high resolution images and accurately reproduce the natural color of the specimens. For special applications, a variety of objectives is available, including polarizing and long working distance.

TECHNICAL SPECIFICATIONS

Optical System	NIS Infinite optical system
Eyepiece	SW10X/25mm
Viewing Head	Ergo Tilting Trinocular Head, adjustable from 0° to 35°, Interpupilary Distance 47-78mm Seidentopf Trinocular Head, Inclined at 30°, Interpupilary Distance 47-78mm Seidentopf Binocular Head, Inclined at 30°, Interpupilary Distance 47-78mm
Objective	Suitable for Reflected & Transmitted Light with NIS Infinite Series objective 5x/0.12 W.D.11.5mm, 10x/0.25 W.D. 12mm M Long working distance plan 20X | M Long working distance plan 50X | M Long working distance plan 100X
Nosepiece	Sextuplet Nosepiece
Condenser	NA0.65 Universal Condenser for Transmitted Light / Reflected light
Illumination	Reflected light 5w LED lamp, Kohler Illumination Transmitted light 5w LED lamp, Kohler Illumination, with ND6/ND25 filter LED Illumination Life 30,000 Hours
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 1 um, Moving Range 35mm, Sample space 76mm
Stage	Ceramic Coated "4" Stage (Right or Left Handle) Double Layer Mechanical Stage 190X/152/78mmx32m (Right or Left Handle) Vernier for X,Y Coordinates
Accessories	Power Cord



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