

# CM500 Series

## PROFESSIONAL COMPOUND MICROSCOPE

### Features At A Glance

- ◇ W10X 20mm eyepieces standard
- ◇ High Performance objectives from Semi Plan to research grade Plan Achromatic
- ◇ Sealed 40x & Condenser
- ◇ Multi Discipline System: Bright field, Dark field and Phase Contrast
- ◇ Scratch resistant coated stage
- ◇ Anti mold head
- ◇ All metal gearing
- ◇ High performance 3 watt LED illumination
- ◇ Cool white light at 6000 Kelvin
- ◇ Long life LED bulb (many times longer than Halogen)
- ◇ Infinity corrected optics available

This high performance microscope is the flag ship of our line designed for professionals who require superior optical performance and the ability to upgrade the system for changing needs. From bright field to dark field to phase contrast and beyond, the CM500 is the microscope of choice for Medical, Veterinary and Post Secondary Institutions.

#### General Features:

The CM500 has a full size stand for enhanced stability. It features an ergonomic Seidentopf head that rotates 360 degrees in two axis and offers a wide interpupillary range. The precision co-axial focus mechanism has a large low drive research grade mechanical stage with room for two slides. The coated stage plate provides scratch resistance. Reversed facing nosepiece protects the objectives and provides clear access to the stage.

#### Illumination:

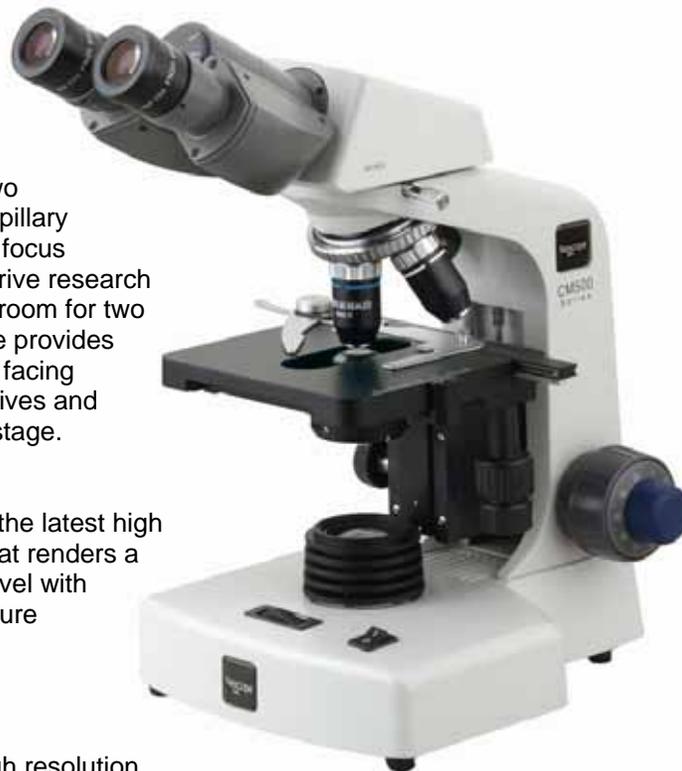
The CM500 is equipped with the latest high power LED lighting system that renders a more uniform output at any level with a much higher color temperature (6000 Kelvin) beam, while producing little or no heat.

#### Optical System:

The CM500 is available in high resolution Semi Plan, Plan and Plan Infinity Corrected objective sets.

#### Upgradeable:

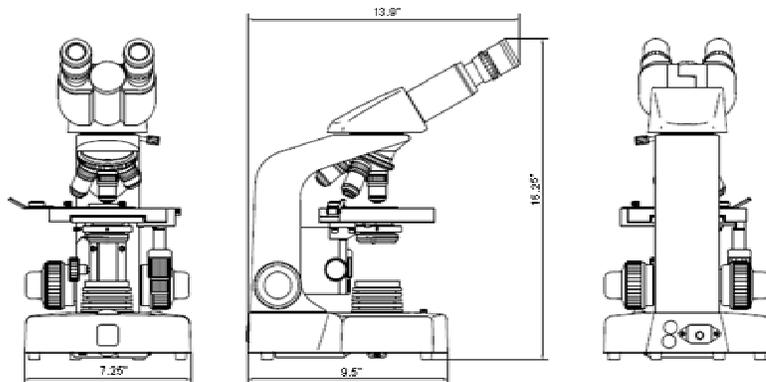
Designed for upward mobility, the CM500 can be outfitted with phase contrast, dark field, polarization, infinity corrected optics.



Nexcope

# CM500 Series

Specifications



LENGTH	WIDTH	HEIGHT	WEIGHT
9.5"	7.25"	15.25"	15.5 lbs

MODEL	HEAD	EYEPIECE	OBJECTIVES	CONDENSER	ILLUMINATOR
<b>CMD501</b> w/ Semi-Plan	Binocular Seidentopf	W10XD 20mm FN	4XD, 10XD, 40XRD (sealed) 100XRD, Semi Plan	Abbe 1.25 NA (sealed) Rack & Pinion	LED 3W w/ dimmer switch
<b>CMD502</b> w/ Plan	Binocular Seidentopf	W10XD 20mm FN	4XD, 10XD, 40XRD (sealed) 100XRD, Plan	Abbe 1.25 NA (sealed) Rack & Pinion	LED 3W w/ dimmer switch
<b>CMD503</b> w/ Plan Phase	Binocular Seidentopf	W10XD 20mm FN	4X, 10X Phase, 40X (sealed) Phase, 100X Phase, Plan	Abbe 1.25 NA (sealed) w/ Bright Field, Dark Field & Phase Contrast carousel	LED 3W w/ dimmer switch

Note: All models can be configured with a 5 hole nosepiece in your choice of objectives. Special order only. Call for more information on this and other configurations.

**Accessories for CM500 Series:**

**OCCULAR HEAD**

- CMA570 Binocular seidentopf head
- CMA571 Trinocular seidentopf head w/ Ø23.2mm port

**EYEPIECES**

- CMA573 W10XD, 20mm
- CMA574 W10XD, 20mm w/ scale (cross, 0.01mm)
- CMA575 W15XD

**OBJECTIVE KITS**

- CMA520 4XD, 10XD, 40XRD (Sealed), 100XRD, Semi Plan
- CMA530 4XD, 10XD, 40XRD (Sealed), 100XRD, Plan

**PHASE CONTRAST**

- CMA550 Carousel Phase Kit  
Includes 4X, 10X Phase, 40X Phase, 100X Phase plan objectives, multi phase carousel for phase, bright field & dark field, 1.25NA condenser, centering telescope and green filter
- CMA560 Professional Phase Kit  
Includes plan phase objectives 10X, 20X, 40X, 100X, turret with 1.25NA condenser, centering telescope and green filter

**DARK FIELD CONDENSER**

- CMA576 Dark field condenser
- CMA577 Dark field condenser- higher contrast and higher brightness
- CMA578 Dark field plan objective 100X with iris diaphragm

**KOHLER ILLUMINATION**

- CMA579 Kohler Illumination Collector w/ field diaphragm

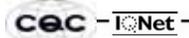
**SIMPLE POLARIZING KIT**

- CMA580 Polarizing kit with polarizer and analyzer

**FLUORESCENT KIT**

- CMA590 Epi-Fluorescent Kit with B(Blue), G(Green) exciting filters and Fluorescence Free Objective 4XD, 10XD, 40XRD ( Sealed ), 100XRD, Plan

**ISO9001 : 2000**



00109Q11543R2M/3

**ISO14001 : 2004**



00107E20511R0M/330



**Design Changes: Nexcope**

reserves the right to make changes in instrument design in accordance with changes in technology without notice or obligation.

**Ample Scientific L.L.C.**

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Authorized Dealer:

## CM500 Series Accessories

- CMA520 4XD, 10XD, 40XRD ( Sealed ), 100XRD, Semi Plan Objective Kit
- CMA521 4XD Semi Plan Objective
- CMA522 10XD Semi Plan Objective
- CMA523 20XD Semi Plan Objective
- CMA524 40XRD Semi Plan Objective
- CMA525 60XRD Semi Plan Objective
- CMA526 100XRD Semi Plan Objective
- CMA530 4XD, 10XD, 40XRD ( Sealed ), 100XRD, Plan Objective Kit
- CMA531 4XD Plan Objective
- CMA532 10XD Plan Objective
- CMA533 20XD Plan Objective
- CMA534 40XRD Plan Objective
- CMA535 50XD Plan Objective (Oil)
- CMA536 60XD Plan Objective
- CMA537 100XRD Plan Objective
- CMA540 4XD, 10XD, 40XRD ( Sealed ), 100XRD Infinity Corrected Plan Objective Kit
- CMA550 Carousel Phase Kit, Includes 4XD, 10XD Phase, 40XD Phase, 100XRD Phase Objectives, Multi and Phase Carousel for Phase, Bright Field and Dark Field, 1.25NA Condenser, Centering Telescope Green Filter
- CMA560 Professional Phase Kit, Includes Plan Phase Objectives 10X, 20X, 40X, 100X, Turret with 1.25NA Condenser, Centering Telescope and Green Filter
- CMA570 Binocular Seidentopf Head
- CMA571 Trinocular Seidentopf Head
- CMA572 Infinity Corrected Binocular Seidentopf Head
- CMA573 W10XD FN20mm Eyepiece
- CMA574 W10XD FN20mm Eyepiece w/Scale(Cross, 0.01mm)
- CMA575 W15XD
- CMA576 Dark Field Condenser
- CMA577 Dark Field Condenser - Higher Contrast and Higher Brightness
- CMA578 Dark Field Plan Objective 100X with Iris Diaphragm
- CMA579 Kohler Illumination Collector w/Field Diaphragm
- CMA580 Polarizing Kit with Polarizer and Analyzer
- CMA581 C-Mount Adapter
- CMA590 Epi-Fluorescent Kit with B(Blue), G(Green) exciting filters and Fluorescence Free Objective 4XD, 10XD, 40XRD ( Sealed ), 100XRD, Plan