NATIONAL

National Optical & Scientific Instruments, Inc.

*A Member of the Motic Group*

# DC20-169 Series

## Compound Microscopes with HDMI Camera Bundle

### OPTICAL SYSTEM

- Widefield 10X/18mm eyepiece
- 30° inclined forward-facing trinocular head
- Video C-mount adapter included
- 4X, 10X, 40X, and 100X parfocalled and parcentered objectives

### FOCUSING & STAGE

- Coaxial coarse and fine focusing
  - Coarse has tension adjustment
  - Fine is graduated
- Large 140x135mm rackless mechanical stage
- 1.25 N.A. Abbe condenser with rack and pinion focusing

### LED ILLUMINATION

- 3W LED Variable Illumination
- 110V-220V external auto-switching power supply

### HDMI CAMERA FEATURES

- Sensor Type: CMOS
- Optical: 1/2.8”
- HDMI Output: 1080P
- Active Pixels: 1920 x 1080
- Live Image: 60 fps
- SD Card Slot
- Interface: USB 2.0 and HDMI
- Standalone camera system

DC20-169-ASC

# DC20-169 Series

| MODEL | HEAD | EYEPIECE | OBJECTIVES | STAGE | CONDENSER | ILLUMINATOR |
|---|---|---|---|---|---|---|
| DC20-169-SP | Trinocular | W10XD, 18mm | 4X, 10X, 40X , 100X Semi-Plan | Built-in Mech. | Abbe 1.25 | Corded 3W LED |
| DC20-169-ASC | Trinocular | W10XD, 18mm | 4X, 10X, 40X, 100X Super High Contrast | Built-in Mech. | Abbe 1.25 | Corded 3W LED |
| DC20-169-P | Trinocular | W10XD, 18mm | 4X, 10X, 40X, 100X Plan | Built-in Mech. | Abbe 1.25 | Corded 3W LED |
| DC20-169-PH | Trinocular | W10XD, 18mm | 10X, 20X, 40X, 100X Phase | Built-in Mech. | 1.25 PH | Corded 3W LED |


Superior in design and performance, the **DC20-169 Series Bundle** incorporates a wide range of features designed for university and laboratory use. Superb optical clarity and reliable mechanical engineering assure years of top performance. Choose between semi-plan, super high contrast, plan, and phase lenses.

Included Moticam 1080L turns your microscope into an instant **multimedia learning platform**. Connect the Moticam 1080L to a computer using USB 2.0 or display live images in **high-definition** using the HDMI output port. Images can be captured at 5.0MP and saved to an SD card (not included).

Access camera features on screen with optional USB mouse.

Whether utilized in an educational, industrial, or clinical setting, the **DC20-169 Series** offers **unlimited possibilities**.