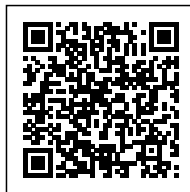


## CHP4 MICROSCOPE CAMERA WITH MEASUREMENTS UHD 8MP (SD/HDMI/USB)



SKU: 149320D



### UHD CMOS CAMERA WITH IMAGE PROCESSING AND MEASURING SOFTWARE

**C-HP4 - C-mount, Ultra HD microscope camera** equipped with SD card for image/video internal storage, HDMI and USB output connections, Sony CMOS high-quality sensor, HDMIPRO software.

Very easy to use, it clearly reveals on-screen the sample's finest details and performs basic measurements.

Multi-brand camera, compatible with the SLX5 trinocular microscope by adding the M-620 **C-Mount adapter** (NOT included).

**Package content:** Camera - Power supply - Calibration slide - USB cable (1.8 m) - HDMI cable (1.5 m) - Wireless mouse - SD card (16 GB).

#### General specifications

- **Ultra HD 4K 2160p** images and videos
- Top-class, Sony CMOS large sensor ensures **beautiful true-to-life colours and high quality images**, rich in contrast and detail
- Image capture / Video recordings on **SD card**: Yes
- Output: **HDMI, USB 2.0**
- Image processing built-in **HDMIPRO** software



- It can be connected to PC at any time and used via the downloadable, free of charge **PROVIEW** software (Windows), always available to enable the latest updates
- Does not require software installation for image/video capturing on SD card when in HDMI mode
- Operating system: Windows
- **C-Mount**: Yes - Universal connection to any microscope brand
- Power plug type: **Multiplug** (EU, UK, US) with 2.1 mm jack and LED indicator
- Input voltage 100/240 Vac, 50/60 Hz
- Output voltage: 12 Vdc, 1000 mA
- Dimensions: 65 x 78 x 88 mm.

## Sensor

### [click here to read Sensor](#)

- **Camera resolution (WxH): 3860 x 2160 pixels**
- Mode: Colour
- Sensor size: 1/1.8"
- Sensor technology: CMOS
- Sensor type: SONY
- Image format: 16/9
- Pixel size: 2.0 x 2.0  $\mu\text{m}$
- Acquisition technology: Rolling shutter
- Dynamic range: 66 DB
- G sensitivity: 505 mV at 1/30s
- Color depth: 1, 4, 8, 24 Bit
- Exposure time: 0.04 msec - 2 sec
- Binning: 1 x 1
- IR filter: Yes
- IR filter range (IR CUT): 380-650 nm.

## USB

### [click here to read USB](#)

- **PC camera resolution: 8 MP**
- USB standard: **USB 2.0**
- Frame rate full resolution: 20@3840x2160 fps.

## HDMI

### [click here to read HDMI](#)

- **HDMI resolution: 8 MP**
- Frame rate full resolution: 30@3840x2160 fps
- Live HDMI measurement: Yes
- Exposure: Auto / Manual
- White Balance: Auto / Manual / ROI



## HDMIPRO software specifications\*

[click here to read HDMILITE](#)

- Archiving: Yes
- Languages: Chinese, English, French, German, Italian, Japanese, Korean, Thai
- **Image acquisition:** Multiformat image saving - Multiformat video saving - Continuous automatic exposure - Manual exposure - Colour acquisition - Greyscale acquisition - Numerical focus indicator - White balance (Auto/Manual/ROI) - Image enhancement - Zoom in - Zom out - Image comparison - Browse of images and video - Picture in picture (PIP) - Freeze image - Horizontal flip - Verical Flip
- **Image processing:** High Dynamic Range (HDR) - Text Overlay - Ruler Overlay - Arrow Overlay - Measurement Overlay - Grids
- **Measurements:** Live measurement - Still image measurement - Select measurement unit - Measuring instruments (Point - Line - Line 3 points - Line vertical 3 points - Angle - Angle 4 points - Parallel lines - Rectangle - Rectangle 3 points - Ellipse - Ellipse 5 points - Circle center + radius - Circle 3 points - 2 Circle center + radius - 2 Circle 3 points - Annulus - Curve - Arc - Polygon - Export to Excel.

\* ATTENTION: More functions are available by connecting the camera to a PC on which is installed the free of charge, downloadable PROVIEW software.