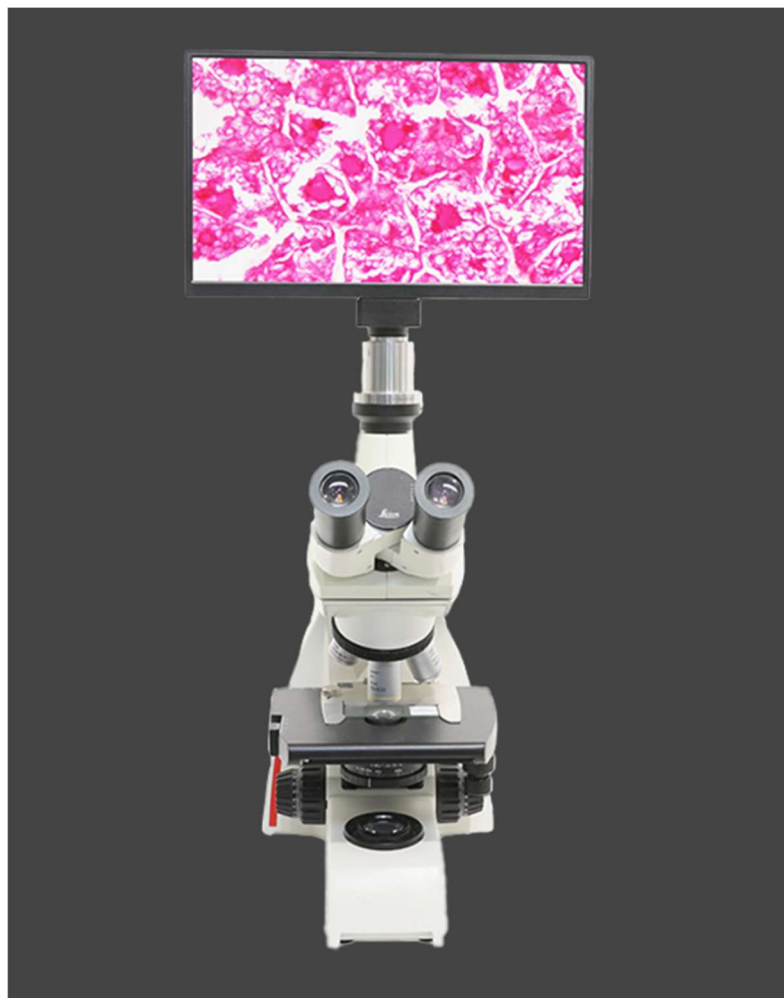




CAMERA SCOP-AIOCAMTOP4K SERIES





Product Introduction

AIOCAMTOP4K is an integrated unit that combines a 4K resolution CMOS camera with a 13.3-inch display screen. It can be directly used for video and image capture with stereoscopic microscopes or biological microscopes without requiring a computer, and can also form an interactive microscopy teaching system through Wi-Fi wireless networking to facilitate teaching and student learning.

Product Features

- Camera and display screen integrated together, eliminating connection cables for convenient installation
- Sony Starvis 2 back-illuminated CMOS sensor
- Supports HDMI1.4 interface connection to external monitors for synchronized output, 4K/1080P HDMI output adaptive switching
- Supports USB2.0 interface synchronized real-time video output
- USB flash drive storage for captured video or images with local preview and playback support
- Supports USB audio control module for voice command real-time camera control including photography, video recording, and freeze operations
- Powerful ISP functions with remarkable sharpening and 3D noise reduction effects, more precise ROI white balance
- Embedded XCamView software provides rich image processing and measurement functions, supporting automatic edge detection and automatic measurement capabilities
- ToupView/ToupLite software for more convenient computer operation
- iOS/Android mobile applications available for free download from app stores

Order Code	Sensor & Size(mm)	Effective Pixels	Output Resolution
AIOCAMTOP4K8MPC	4K/Sony IMX678(C) 1/1.8" (7.68x4.32mm)	2.0x2.0μm	8MP (3840 x 2160)

Frame Rate (FPS)	Output Interface	Lens Mount	Storage Support
HDMI : 30fps ; USB2 : 30fps Wi-Fi : 30 Fps @ 3840x2160 for all	HDMI 1.4 ; USB2.0 ; Wi-Fi	C-Mount	USB Flash Drive



Featured Functions

- 13,3-inch display screen integration
- HDMI1.4 4K/1080P adaptive output
- USB2.0 Real-time output
- USB Flash drive local preview and playback
- Wi-Fi AP/STA mode
- Voice control for photography/video/recording/freeze
- ROI White balance, 3D noise reduction and sharpening
- Built-in XCamView measurement/automatic edge detection/automatic measurement
- Supports H.264/H.265 video recording 30 fps @ 4K

Product Advantages

1 Plug-and-Play Operation Without Computer Requirements

All-in-one screen and camera design with built-in XCamView software enables direct USB mouse control with USB drive-based image and video storage and playback capabilities.

2 4K Ultra-High-Definition with Stable Frame Rates

HDMI 1.4 output supports 3840×2160 and 1920×1080 @ 30 fps while Wi-Fi and USB Video provide synchronized 4K 30 fps capabilities for teaching and demonstration applications.

3 Multi-Interface and Network Collaboration

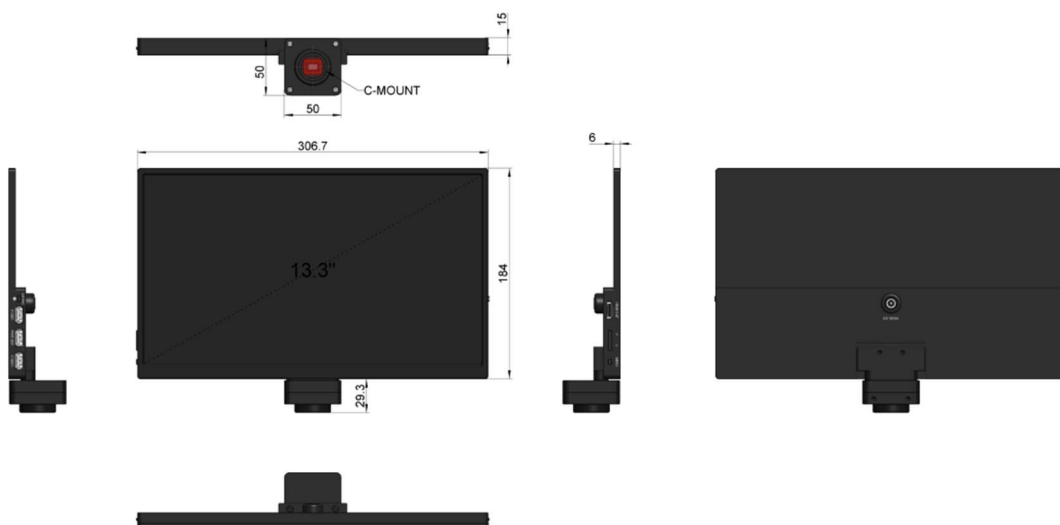
Flexible switching between HDMI, USB Video, and Wi-Fi (AP/STA) modes enables expandable multi-station interactive teaching and remote observation capabilities.

4 Intelligent Imaging with Voice Control

ROI white balance, 3D noise reduction, Gamma/sharpening/saturation/contrast adjustments with 50/60 Hz anti-flicker functionality. USB audio control module support enables voice-activated photography, recording, and freeze operations.

5 Broad Application Range

Suitable for **microscopy education, laboratory research, industrial quality control, interactive demonstration, and video documentation** across multiple application scenarios.



AIOCAMTOP4K All-in-One Camera with Display | Package List

Standard Items in the Box

- A** Camera packaging box: 35.6 cm × 24.9 cm × 7.5 cm (1 pc, approx. 1.68 kg/box)
- B** AIOCAMTOP4K all-in-one camera ×1
- C** Power adapter: input AC 100–240 V 50/60 Hz; output DC 12 V 2 A
US version: POWER-12V2A (MX24Z1-1202000) + US plug
EU version: POWER-12V2A (MX24Z1-1202000) + EU plug
- D** USB wireless mouse ×1
- E** High-speed USB 2.0 A→A gold-plated data cable (2.0 m)
- F** Driver and application CD (Ø12 cm)

Optional Accessories

- G** HDMI 2.0 cable
- H** USB flash drive
- I** USB wireless network adapter (required for Wi-Fi mode; appearance varies by model)
- J** Voice control module (Chinese or English)

