

OLYMPUS

Take Your Application to the Next Level

With the EP50 Stand-Alone Network Camera



Combine the new Olympus EP50 camera with our stereo microscopes and bring your application into the digital world. Just choose the special offer kit that fits your requirements and add the accessories needed for your application.

Take Your Application to the Next Level



EP50

Ready to use in seconds and with a simple on-screen interface, the Olympus EP50 camera makes digital imaging of microscopy samples a fast and engaging experience.

- Wireless observation and control of microscope imaging by the camera's own WLAN signal or by integration into an existing network structure
- Display live images directly on a high-resolution monitor or projector without additional hardware
- Fast and smooth live image at 60 frames per second
- Easy storing of images and movie files on an SD card for sharing and further investigation
- Flexible camera control options for image acquisition and display, basic measurements, and annotations: EPview app, EPview software or on-screen display software for stand-alone operation



Academic Research

Improve learning and your research by building a digital environment. Share images and experiences in real-time, through displays, projectors and mobile devices.

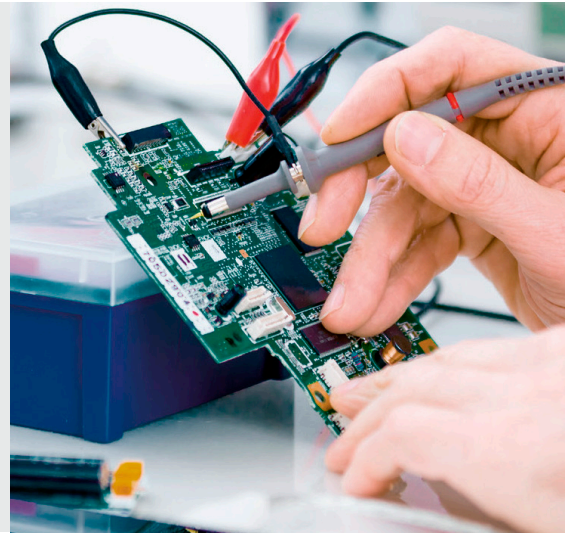


E0432446 EP50-WIFI-SZ61TR-Kit*

Soldering, Assembly or Repair

Enjoy a compact and high working distance stereo microscope to solder, assemble or repair your sample with the on-screen interface of the EP50 camera. At the same time, document or share the sample details with your colleagues using any HDMI display or projector.

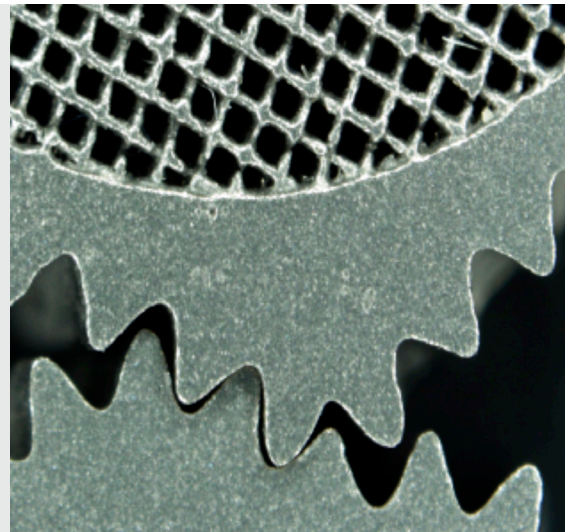
E0432446 EP50-WIFI-SZ61TR-Kit*



Inspection, Quality Control & Assurance

Inspect the microstructure or evaluate the quality of your sample with a fast and detailed 60 fps Full HD live image and a wide zoom ratio. Easily save images and videos at any time without the need to wait for your computer and software to start up.

E0432447 EP50-WIFI-SZX7-U-TV0.5X-Kit*

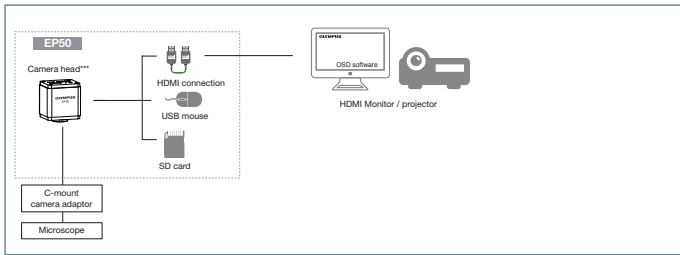


* This special offer kit requires additional components to deliver a functional microscope configuration

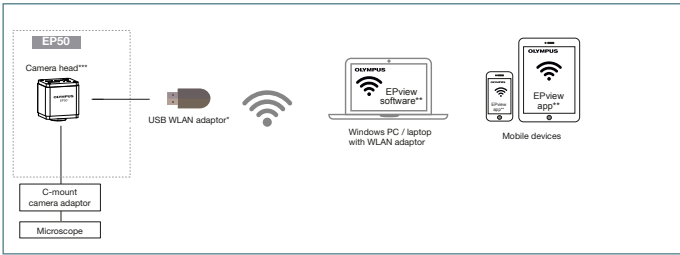
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EP50 Camera System Diagrams

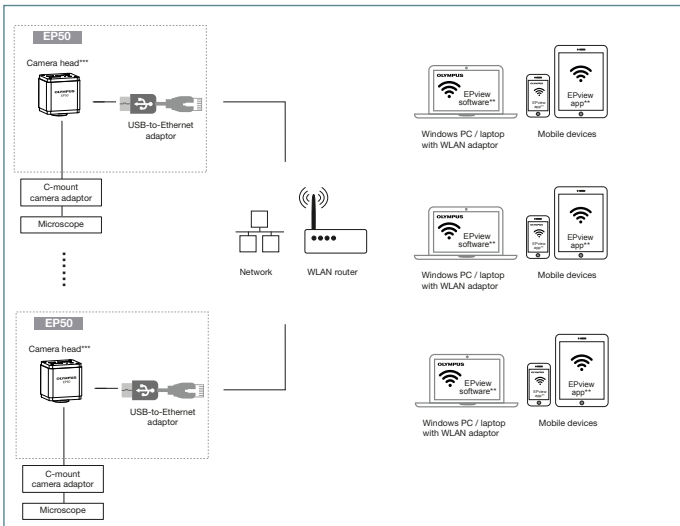
Stand-Alone Configuration



WLAN Configuration



Digital Classroom Configuration



* The USB WLAN adaptor is an optional accessory of the EP50 camera.

** EPView is available for iOS, Android, and Windows operating systems.

*** USB connection for USB mouse, USB WLAN adaptor*, and USB-to-Ethernet adaptor only.

**** The frame rate may be lower depending on the available network infrastructure capabilities/performance.

***** The wireless connection stability and reliability can be compromised by existing environmental radio interference and/or the condition of users' mobile devices.

EP50 Camera Specifications

Image Sensor	Color CMOS
Sensor Size	1/1.8 inch (7.140 mm × 4.980 mm)
Resolution (Max.)	2592 × 1944 pixels (Snapshot only) 1920 × 1080 pixels (HDMI, WLAN, on PC)
Pixel Size	2.4 × 2.4 μm
A/D Converter (Bit Depth)	8 bits
Exposure Times	1 ms – 918 ms
Live Frame Rates	Snapshot only (2592 × 1944 pixels)
	Up to 30 fps (on PC, 1920 × 1080 pixels)
	Up to 60 fps (HDMI Output, 1920 × 1080 pixels) Up to 25 fps (WLAN Output, 1920 × 1080 pixels)****
Data Transfer	HDMI, WLAN (using the WLAN adaptor), Ethernet (using the USB-to-Ethernet adaptor)
Annotation Functions	Text, Arrow, Rectangle, Circle Line: Length measurement Parallel lines Circle: Diameter, area, perimeter measurement
Measurement Functions	Angle: Angle measurement Rectangle: Area, perimeter measurement Polygon: Area, perimeter measurement Point: Coordinates, number Scale bar

Supported Mobile Device OS: EPView is available for

iOS 11 and later

Android 5.1 and later



Remarks

Supported number of connections to one camera: 6*****

WLAN adaptor not included. Please contact your local sales representative.

PC Control

Microsoft Windows 10 (32 bit/64 bit)

Microsoft Windows 8/8.1 (32 bit/64 bit)

Microsoft Windows 7 (32 bit/64 bit)

Dimensions (W × D × H)

78 mm × 65 mm × 88 mm (3.08 in. × 2.56 in. × 3.47 in.)

Weight

Approx. 470 g (1.04 lb)

Camera Mount

C-mount

Storage

SD (HC I; UHS-I, Class 10) Card

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OLYMPUS SOFT IMAGING SOLUTIONS is ISO9001 certified.

For kit information, please contact your local Olympus representative

➤ www.olympus-ims.com/en/ep50

Promotion valid for orders received until March 31, 2021.

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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