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WCAM Series C-mount WIFI CMOS Camera

C-Mount camera has 25.4 mm or 1 inch diameter with 32 threads per inch;

Scientific research grade camera with Aptina CMOS sensor;

Sends H.264 encodec high-resolution images from a microscope to WiFi-enabled smartphones, computers, and tablets with iOS, Android, and Windows operating systems;

Streams images to several devices simultaneously;

Integrated zinc aluminum alloy housing;

Ultra-Fine™ color engine with perfect color reproduction capability;

With advanced video & image processing application ToupView(only support simple video viewing capturing for IOS/android system);

Windows/Linux/macOS/Android multiple platform SDK;

Specification

WCAM Series C-mount WIFI CMOS Camera(4)

ToupTek WCAM is WIFI camera and it adopts ultra-high performance CMOS sensor as the image-picking device. WIFI is used as the data transfer interface.

When the WCAM camera is attached to the eyepiece of a microscope and started, it will and generates a WiFi signal for sending high-resolution images from a microscope to WiFi-enabled devices such as smartphones, tablets, and computers with iOS, Android, OS X, Linux and Windows operating systems, streaming images to up to six devices simultaneously.

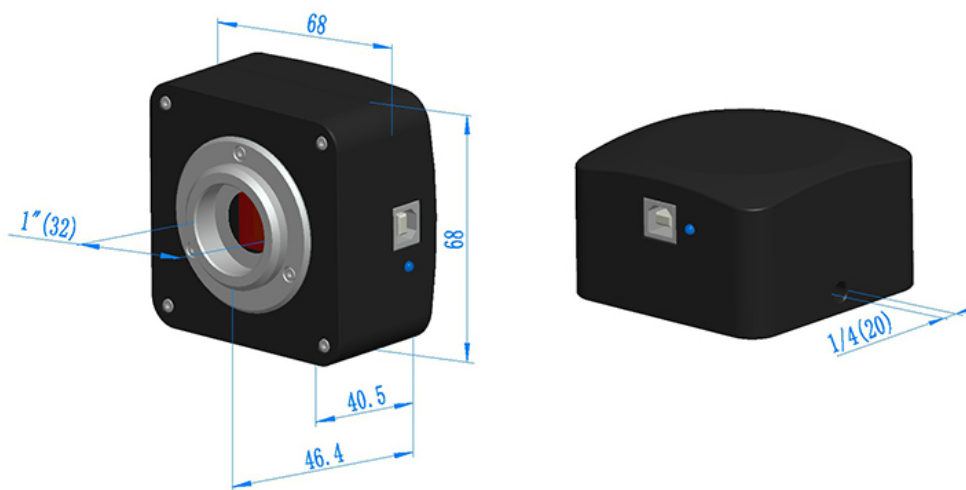
The camera includes ToupView images software for quantifying, measuring, and annotating images and for using with an interactive white board. It also works with the free, downloadable Toupview app for viewing, capturing, and editing images.

Order Code	Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	FPS/Resolution	Binning	Exposure
WCAM1080PA WP601080A	1080P/IMX222(C) 1/2.8"(5.38x3.02)	2.8x2.8	510mV with 1/30s 0.15mv with 1/30s	25@1920x1080	1x1	0.059ms~1941ms
WCAM0720PA WP600720A (Suspended)	720P/MT9P001(C) 1/2.5"(5.63x3.17)	2.2x2.2	1.0 V/lux-sec 61dB 43dB	30@1280x720	2x2	0.21ms~200ms
WCAM0720PB	720P/MT9P001(C)	2.2x2.2	1.0 V/lux-sec	10@1280x720	2x2	Auto

WP600720B	1/2.5"(5.63x3.17)		61dB 43dB			
WCAM0300KPA WP600300KA	0.3M/MT9V011(C) 1/4"(3.58x2.69)	5.6x5.6	1.9V/lux-sec 60dB 45dB	25@640x480	1x1	Auto
OTHER HARDWARE CONFIGURATION						
Spectral Range	380-650nm (with IR-filter)					
White Balance	ROI White Balance/Manual Temp-Tint Adjustment					
Color Rendering Technique	Ultra Fine Color Engine					
Capture/Control SDK	Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc);					
Recording System	Still Picture and Movie					
Maximum Connected Device	<=3					
Cooling System*	Natural					
OPERATING ENVIRONMENT						
Operating Temperature	-10°C~ 50°C					
Storage Temperature	-20°C~ 60°C					
Operating Humidity	30~80%RH					
Storage Humidity	10~60%RH					
Power Supply	USB Power Adaptor, Not Recommend for PC USB Port					
SOFTWARE ENVIRONMENT						
Operating System	Support Microsoft Windows XP / Vista / 7 / 8 / 10 (32 & 64 bit) IOS IPAD or iPhone, Android PAD and Phone					
PC Requirements	CPU: Equal to Intel Core2 2.8GHz or Higher					
	Memory: 2GB or More					
	WIFI Adapter with DHCP Enabled					
	Display: 17" or Larger					
PAD	IPAD or PAD with Android System					
Mobile Phone	iPhone or Smart Phone with Android System					

Dimension of WCAM Series Camera

The WCAM body, made from tough, zinc alloy, ensures a heavy duty, workhorse solution. The camera is designed with a high quality IR-CUT to protect the camera sensor. No moving parts included. This design ensures a rugged, robust solution with an increased lifespan when compared to other industrial camera solutions.



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