

14 WCAM Series WIFI Camera

14.1 Basic Characteristic

- 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);
- Custom programmable with SDK provided(Windows OS);



14.2 WCAM Datasheet

Order Code	Sensor	Size(mm)	Pixel(μm)	FPS/Resolution	Binning	Exposure(ms)
WCAM1080PA WP601080A	MT9P031 (C)	1/2.5" (5.70 x 4.28)	2.2x2.2	15@1920x1080	2x2	0.21ms~200ms,
WCAM0720PA WP600720A	MT9P031 (C)	1/2.5" (5.70 x 4.28)	2.2x2.2	30@1280x720	2x2	0.21ms~200ms,
WCAM1300KPA WP601300KA	MT9P031 (C)	1/2.5" (5.70 x 4.28)	2.2x2.2	10@1280x1024	1x1	Auto Exposure
WCAM0300KPA WP600300KA	MT9V011 (C)	1/4" (3.58 x 2.69)	5.6x5.6	25@640x480	1x1	Auto Exposure

Other Specification for WCAM Camera

Spectral Range	380-650nm (with IR-cut Filter)
White Balance	ROI White Balance/ Manual Temp Tint Adjustment/NA for Monochromatic Sensor
Color Technique	Ultra-Fine™ Color Engine/NA for Monochromatic Sensor
Capture/Control API	Native C/C++, C#, DirectShow, Twain and Labview
Recording System	Still Picture and Movie
Cooling System*	Natural

Operating Environment

Operating Temperature(in Centidegree)	-10~ 50
Storage Temperature(in Centidegree)	-20~ 60
Operating Humidity	30~80%RH
Storage Humidity	10~60%RH
Power Supply	USB Charger or over PC USB Port

Software Environment

Operating System	Microsoft® Windows® XP / Vista / 7 / 8 (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 Adaptor with DHCP Enabled
	Display:17" or Larger
	CD-ROM
PAD	IPAD or PAD with Android System
Mobile Phone	IPhone or Smart Phone with Android System