

Auto-focus HDMI+WIFI Camera

BHDC-AFC202M







Descriptions:

All in 1(HDMI+WIFI+SD card) C-mount camera with high sensitivity CMOS sensor;
Auto/Manual focus with the movement of the sensor;
Simultaneous HDMI & WIFI output;
Built-in mouse control;
Built-in image capture & video record to SD card;
Built-in camera control panel for mouse control;
Built-in toolbar including zoom, mirror, comparison, freeze, cross, browser functions;
Built-in image & video browsing, display & play;
Ultra-Fine color engine with perfect color reproduction capability(USB);
With advanced video & image processing application
Support standard SDK for Windows/Linux/Mac(USB);
CNC shell molding design;

BHDC-AFC202M is a multiple interfaces (HDMI+WiFi+SD card, so X here means multiple interfaces) CMOS camera with autofocus function (F means autofocus) and it adopts ultra-high performance Sony CMOS sensor as the image-picking device. HDMI+WiFi are

used as the data transfer interface to HDMI display or computer.

For HDMI output, The XCamView will be loaded and a camera control panel and toolbar are overlaid on the HDMI screen, in this case, the USB mouse can be used to set the camera, browse and compare the captured image, play the video etc.

In HDMI output, the camera embedded Auto/Manual focus function can obtain the clear image at ease. No hand rotation of the microscope Coarse/Fine knob is needed.

For WiFi output, unplug the mouse and plug in the USB WiFi adapter, connect the computer WiFi to the camera, then the video stream can be transfer to computer with the advanced software. With the software, you can control the camera, process the image.

Specifications:

Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	FPS/Resolution	Binning	Exposure
1080P/2M Sony IMX185(C) 1/1.9"(7.20x4.05)	3.75x3.75	1120 mv with 1/30s 0.15 mv with 1/30s	60@1920x1080 (HDMI) 25@1920x1080 (WIFI)	1x1	0.06ms~918ms

Interface & Button Functions		
	USB	USB Camera or USB Mouse
	HDMI	HDMI Output
	DC12V	12V Power in
	SD	SD Card Slot
	ON/OFF	Power On/Off Switch
	LED	Power On Indicator
	Other Specification for HDMI Output	
UI Operation	With USB Mouse	
Image Capture	JPEG Format with 2M Resolution in SD Card	
Video Record	ASF Format 1080P 30fps in SD Card	
Camera Control Panel	Including Exposure, Gain, White Balance, Color Adjustment, Sharpness and Denoising Control	
Toolbar	Including Zoom, Mirror, Comparison, Freeze, Cross, Browser Function	
Other Specification for WIFI Output		
UI Operation	With USB Mouse to Operate on the embedded XCamView	
WIFI Performance	802.11n 150Mbps; RF Power 20dBm(Maximum)	
Maximum Connected Devices	3~6(According to the Environment and Connection Distance)	
White Balance	Auto White Balance	

Software Environment (for USB2.0 Connection)	
Operating System	Microsoft® Windows® XP /Vista /7/8/8.1/10(32 & 64 bit) OSx(Mac OS X) Linux
PC Requirements	CPU: Equal to Intel Core2 2.8GHz or Higher
	Memory: 4GB or More
	USB Port: USB2.0 High-speed Port
	Display: 19" or Larger
	CD-ROM

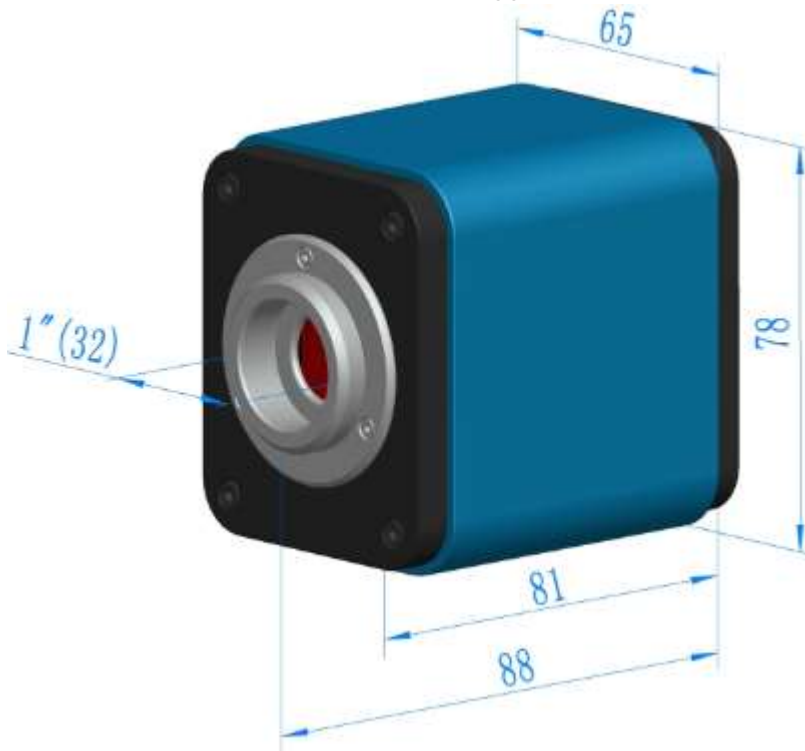
Operating Environment	
Operating Temperature(in Centidegree)	-10~ 50
Storage Temperature(in Centidegree)	-20~ 60
Operating Humidity	30~80%RH
Storage Humidity	10~60%RH
Power Supply	DC 12V/2A Adaptor
Overall Dimensions	
Width x Depth x Height	78 mm (3.07") x 70 mm (2.76") x 92mm (3.62")
Shipping Weight	0.47 kg (1.0lbs)

Potential Application

Scientific research, education (teaching, demonstration and academic exchanges);
 Digital laboratory, medical research;
 Industrial visual (PCB examination, IC quality control);
 Medical treatment (pathological observation);

Food (microbial colony observation and counting);
Aerospace, military (high sophisticated weapons);

Installation drawings. The BHDC-AFC202M Auto-focus HDMI CMOS camera body, made from tough, aluminum 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. These measures ensure a rugged, robust solution with an increased lifespan





Packing List:

Standard Packing List	
A	Gift box : L:25.5cm W:17.0cm H:19.0cm (1pcs, 1.55Kg/ box)
B	Auto-focus camera
C	Power Adaptor: Input: AC 100~240V 50Hz/60Hz, Output: DC 12V 1A American standard : Model: GS12U12-P1I 12W/12V/1A: UL/CUL/BSMI/CB/FCC EMI Standard : EN55022,EN61204-3, EN61000-3-2,-3, FCC Part 152 class B, BSMI CNS14338 EMS Standard : EN61000-4-2,3,4,5,6,8,11,EN61204-3,Class A Light Industry Standard European standard : Model:GS12E12-P1I 12W/12V/1A ; TUV(GS)/CB/CE/ROHS EMI Standard : EN55022,EN61204-3, EN61000-3-2,-3, FCC Part 152 class B, BSMI CNS14338 EMS Standard : EN61000-4-2,3,4,5,6,8,11,EN61204-3,Class A Light Industry Standard
D	HDMI Cable
E	USB Mouse
F	High-speed USB2.0 A male to A male gold-plated connectors cable /2.0m
G	CD (Driver & utilities software, Ø12cm)

Optional Accessory:

Optional Accessory			
H	Adjustable lens adapter	C-Mount to Dia.23.2mm Eyepiece Tube (Please choose 1 of them for your microscope)	108001/AMA037 108002/AMA050 108003/AMA075
		C-Mount to Dia.31.75mm Eyepiece Tube (Please choose 1 of them for your telescope)	108008/ATA037 108009/ATA050 108010/ATA075
I	Fixed lens adaptor	C-Mount to Dia.23.2mm Eyepiece Tube (Please choose 1 of them for your microscope)	108005/FMA037 108006/FMA050 108007/FMA075
		C-Mount to Dia.31.75mm Eyepiece Tube (Please choose 1 of them for your telescope)	108011/FTA037 108012/FTA050 108013/FTA075
J	108015(Dia.23.2mm to 30.0mm Ring)/Adaptor rings for 30mm eyepiece tube		
K	108016(Dia.23.2mm to 30.5mm Ring)/ Adaptor rings for 30.5mm eyepiece tube		
L	Calibration Kit	106011/TS-M1(X=0.01mm/100Div.) ; 106012/TS-M2(X,Y=0.01mm/100Div.); 106013/TS-M7(X=0.01mm/100Div., 0.10mm/100Div.)	
M	SD Card(4G or 8G)		



Extension of BHDC-AF202M Auto-focus C-mount HDMI+USB Camera with Microscope or Telescope Adaptor:

Extension	Picture	
C-mount Camera		
Microscope Camera	 <p>AMAXXX(23.2mm Adapter)</p>	 <p>FMAXXX(23.2mm Adapter)</p>
Telescope Camera:	 <p>ATAXXX(31.75mm Adapter)</p>	 <p>FTAXXX(31.75mm Adapter)</p>