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## XCAM1080PHA HDMI+USB Outputs C-mount CMOS Camera

All in 1( HDMI+USB+SD card) C-mount camera with high sensitivity CMOS sensor;  
Simultaneous HDMI & USB 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 ToupView, ;  
Support standard UVC for Windows/Linux/Mac(USB);  
CNC shell molding design;



### Specification

## XCAM1080PHA HDMI+USB+SD Card All in 1 C-mount CMOS Camera

ToupTek XCAM1080PHA camera is a multiple interfaces (HDMI+USB2.0+SD card, so X here means multiple interfaces) CMOS camera and it adopts ultra-high performance CMOS sensor as the image-picking device. USB2.0 is used as the data transfer interface.

For HDMI output, 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 etal.

For USB2.0 output, unplug the mouse and plug in the USB2.0 cable, then the video stream can be transfer to computer with the advanced software ToupView. With ToupView, you can control the camera, process the image as ToupTek's other camera series.

XCAM1080PHA camera can be used for microscope, industrial stereo microscope, on-line inspection et al.

Order Code	Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	FPS/Resolution	Binning	Exposure
XCAM1080PHA XP1080A	1080P/Sony IMX236(C) 1/2.8"(5.38x3.02)	2.8x2.8	510 mv with 1/30s 0.15 mv with 1/30s	30@1920x1080 (HDMI) 30@1920x1080 (USB)	1x1	0.1ms-999ms

### 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	High Speed in SD Card	
Video Record	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 USB Output		
White Balance	Auto White Balance	
Color Technique	Ultra-Fine Color Engine (USB)	
Capture/Control SDK	Standard UVC for Windows/Linux/Mac(USB)	
Recording System	Still Picture or Movie (USB)	
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)	

## XCAM1080PHA Camera and Microscope

	
Front View of the XCAM1080PHA Camera	Back View of the XCAM1080PHA Camera



Normal View



Side View



The XCAM01080PHA and Microscope





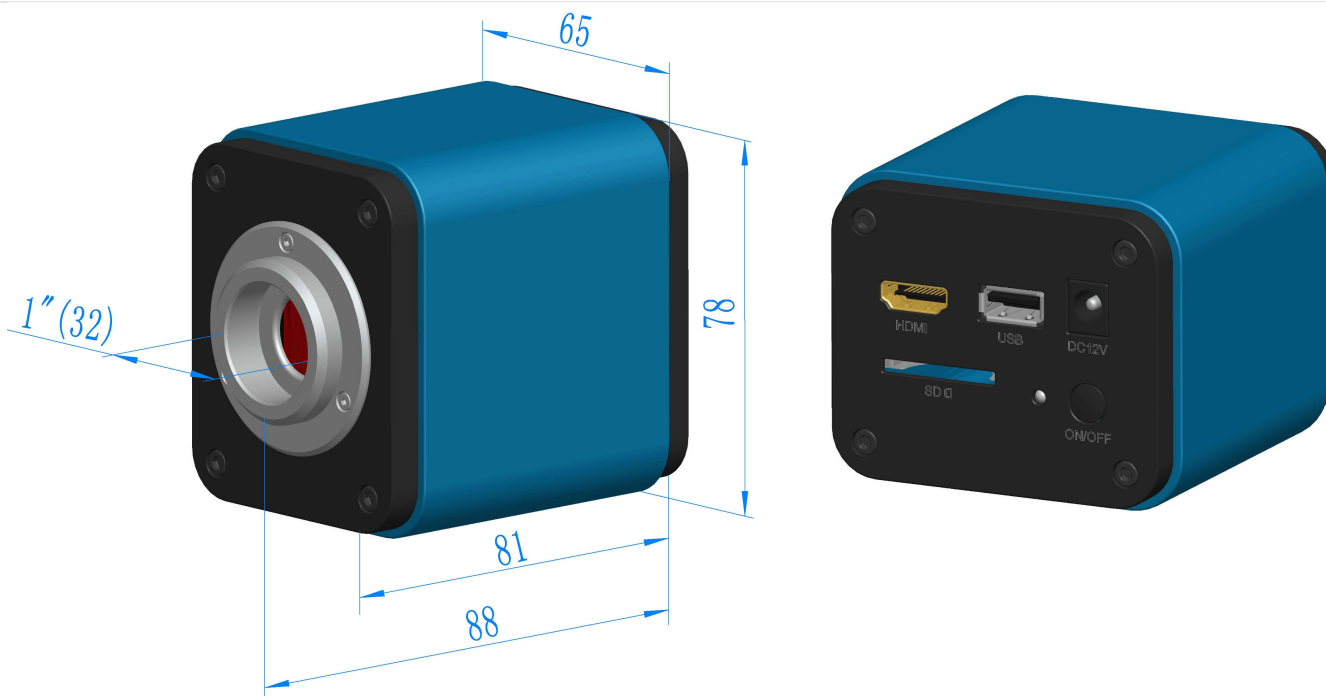
UI of the XCAM1080PHA Camera

## 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);

## XCAM01080PHA HDMI+USB Outputs C-mount CMOS Camera Dimension

Installation drawings(Click to enlarge). The XCAM01080PHA HDMI CMOS camera body, made from tough, CNC aluminium 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.



Dimension for XCAM1080PHA

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