

## XCAM720PHB/PHC C-mount HDMI CMOS Camera



Through standard HDMI interface to stream the video to displayer or HDTV. Easy connecting to other equipment on the production line with the C-mount optical interface.

High-resolution and high frame rate, perfect color reproduction, highly integrated and compact, low failure rate and stable performance.

1280 × 720 (720P) resolutions to match the current high-definition displayer on the market.

XCAM720KPB/PHC embedded XCamView based on the Qt platform. The camera characteristic can be controlled by the mouse. The other basic processing and choosing can also be realized by the XCamView.

For the above characteristic and technical features, which utmost meet various applications and widely apply to industrial inspection, education and research, materials analysis, precision measurement, medical analyses etc.

### Specification

## XCAM720PHB/PHC C-mount HDMI CMOS Camera(2)

Order Code	Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	FPS/Resolution	Binning	Exposure
XCAM720PHB XP00720B	720P/1.2M/AR0130(C) 1/3" (4.80x2.70)	3.75x3.75	6.5 V/lux-sec 85.3dB 44dB	30@1280x720	1x1	0.21ms~2000ms
XCAM0720PHC XP00720C	720P/2M/IMX322(C) 1/2.8" (5.78x3.02)	2.8x2.8	510mv with 1/30s (G Sensitivity) 0.15mv with 1/30s (Dark Signal)	30@1280x720 (HDMI) 1920x1080 (Capture)	1x1	0.06ms~1900ms

Camera Interface	
HDMI	HDMI Output Port
USB	USB Mouse for XCamView Control
DC12V	Power Input Slot
SD	SD Card Slot
Overall Dimensions	
Width x Depth x Height	50 mm (1.97") x 50 mm (1.97") x 61mm (2.4")
Shipping Weight	0.47kg (0.55 lbs)
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 5V/1A Adapter
Optional Accessories	
Lens	C-mount Lens
Cable	HDMI Cable
Memory Card	SD Card
Mouse	USB mouse/USB Wireless Mouse

## Function Key Description

The camera light indicator flashes about 15s after the power on. The camera will load software, and then the system begins to work. Auto exposure and white balance are the default state now.

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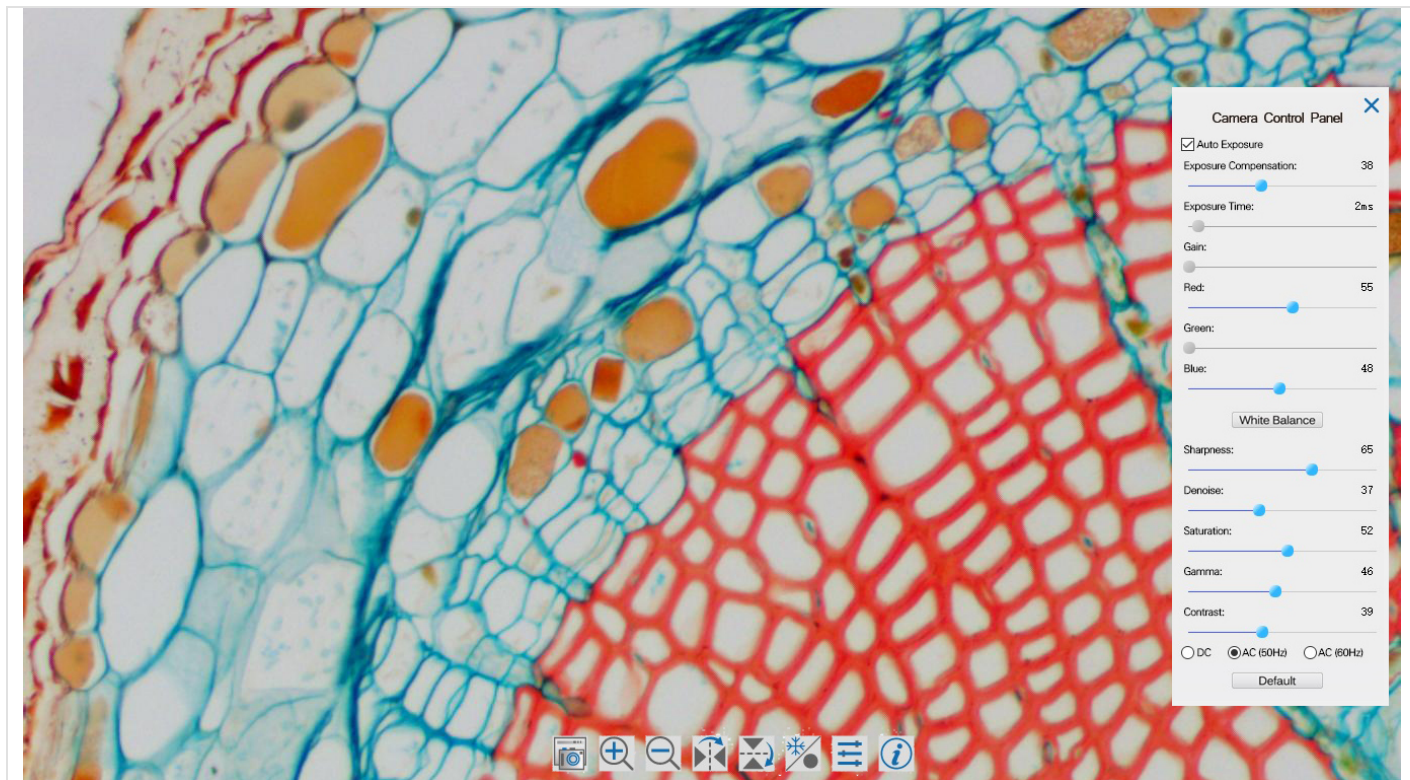


The Back of the XCAM720PHB/PHC

- HDMI: The HDMI output port connected to the HDMI diaplayer;
- USB: USB mouse;
- DC 12V: Power in 12V/1A;
- LED: The blue LED indicator;
- SD: SD card slot;

### XCamView for XCAM720PHB/PHC

Move mouse to the bottom of the HDMI diaplayer, the bottom toolbar will be available. The function of each toolbar buttons are described as follows:



The GUI of the embedded camera control panel of XCamView in XCAM720PHB/PHC

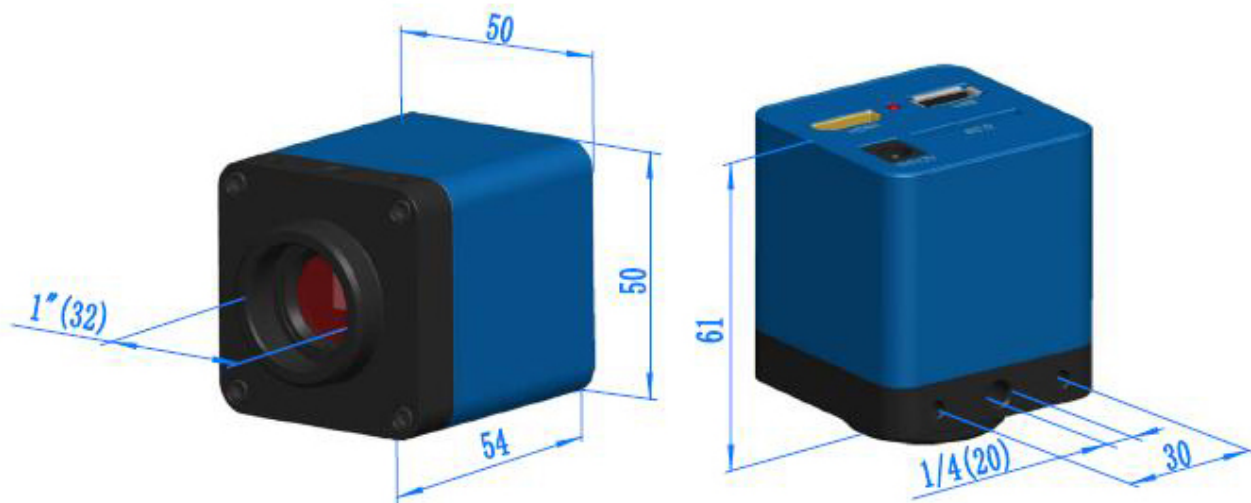


XCamView toolbar for XCAM720KPB/PHC

- 1: Image Capture
- 2: Digital Zoom In
- 3: Digital Zoom Out
- 4: Horizontal Flip
- 5: Vertical Flip
- 6: Video Freez /Cancel Video Freeze
- 7: Display/Hide the Camera Control Panel
- 8: Display the XCamView Version Information

## Dimension of XCAM720PHB/PHC Camera

Installation drawings(Click to enlarge). The XCAM0720KPB HDMI CMOS camera body, made from tough, 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.



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