

PROHDMI720CD C-mount HDMI CMOS Camera(2)

PROHDMI720CD's Basic Characteristic

- Through standard HDMI interface to stream the video to displayer or HDTV;
- Aptina CMOS sensor;
- 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;
- PROHDMI720CD embedded MicroView based on the Qt platform. The camera characteristic can be controlled by MicroView through the mouse. The other basic processing and choosing can also be realized by the MicroView;
- PROHDMI720CD can meet various applications and can be widely used in industrial inspection, education and research, materials analysis, precision measurement, medical analyses etc.



Photos of PROHDMI720CD

PROHDMI720CD Datasheet(2)

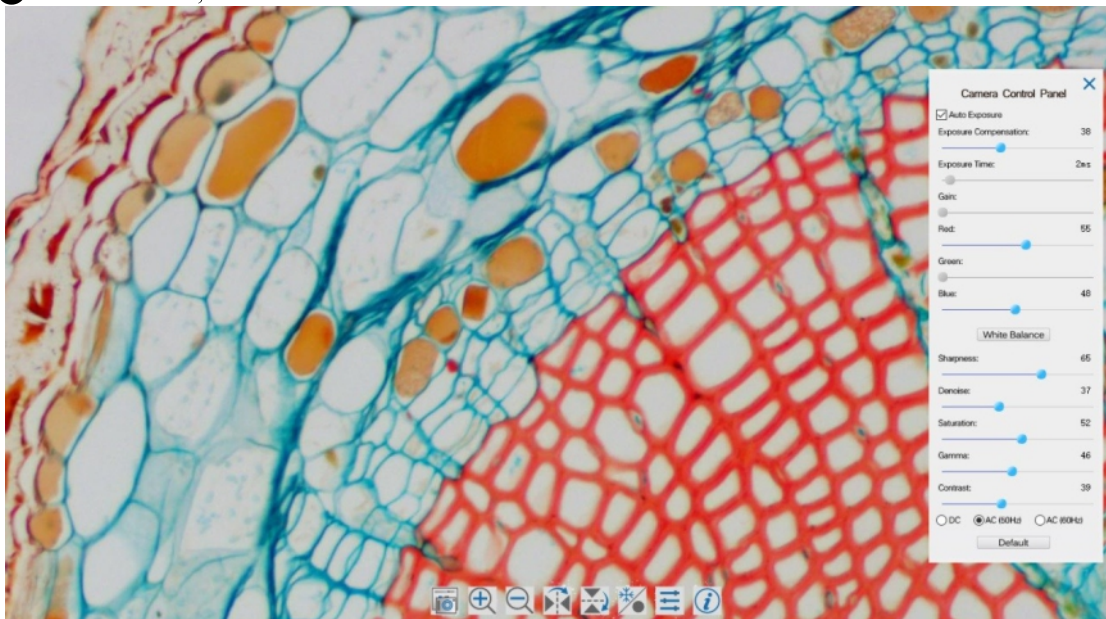
Order Code	Sensor & Size(mm)	Pixel(μm)	G Responsivity Dynamic range SNRmax	FPS/Resolution	Binning	Exposure(ms)
PROHDMI720CD	720P/2M/IMX322(C) 1/2. 8”(5.78x3.02)	2.8 x2.8	510mv with 1/30s (G Sensitivity) 0.15mv with 1/30s (Dark Signal)	30@1280x720 (HDMI) 1920x1080 (Capture)	1x1	0.06ms~1900ms
Interface & Button Functions						
Photos of PROHDMI720CD						
Camera Interface						
HDMI	HDMI Output Port					
USB	USB Mouse for MicroView 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					

Hardware Interface and MicroView UI Description

The PROHDMI720CD light indicator flashes about 15s after the power on. The camera will load MicroView, and then the system begins to work. Auto exposure and white balance are the default state now.



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



The GUI of the embedded camera control panel of MicroView in PROHDMI720CD

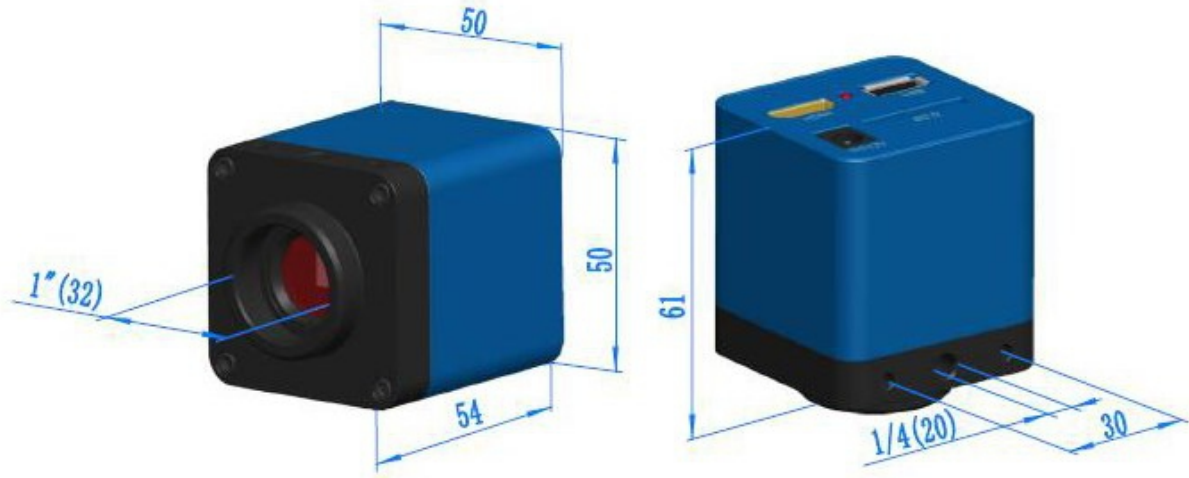


MicroView toolbar for PROHDMI720CD

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

- 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 MicroView Version Information

Dimension of PROHDMI720CD



Dimension of PROHDMI720CD Series Camera

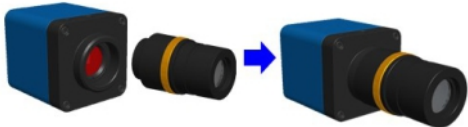
Packing Information for PROHDMI720CD



Packing Information for PROHDMI720CD

Standard Packing List			
A	Gift box : L:17.5cm W:17.5cm H:8.5cm (1pcs, 0.85kg/ box)		
B	PROHDMI720CD		
C	Power Adapter: Input: AC 100~240V 50Hz/60Hz, Output: DC 12V 1A American standard: Model: GS12U12-P11 12W/12V/1A: UL/CUL/BSMI/CB/FCC EMI Standard:EN55022,EN61204-3, EN61000-3-2,-3, FCC Part 152 class B, BSMI CNS14338 European standard: Model:GS12E12-P11 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/USB Wireless Mouse		
Optional Accessory			
F	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
G	Fixed lens adapter	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
Note: For F and G optional items, please specify your camera type(C-mount, microscope camera or telescope camera), Micaps engineer will help you to determine the right microscope or telescope camera adapter for your application;			
H	108015(Dia.23.2mm to 30.0mm ring)/Adapter rings for 30mm eyepiece tube		
I	108016(Dia.23.2mm to 30.5mm ring)/ Adapter rings for 30.5mm eyepiece tube		
J	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.)	
K	SD card(4G or 8G)		

Extension of PROHDMI720CD with Microscope or Telescope Adapter

Extension	Picture	
C-mount Camera		
Microscope Camera	 PROHDMI720CD+AMAXXX(23.2mm Adapter)	 PROHDMI720CD+FMAXXX(23.2mm Adapter)
	 PROHDMI720CD+ATAXXX(31.75mm Adapter)	 PROHDMI720CD+FTAXXX(31.75mm Adapter)
Telescope Camera:		