

4K High frame Low delay

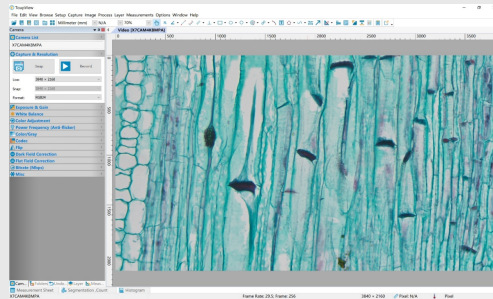


- Sony STARVIS 2 back-illuminated CMOS sensor
- 4K HDMI/ NETWORK/ USB multiple video synchronous outputs
- 4K/1080P auto switching according to monitor resolution
- High frame rate output, supporting up to 4K 75fps
- Support 4K 60fps low delay HDMI output mode, with an average delay of 40ms
- With strong ISP and other related processing functions
- Provide two sets of default ISP parameters for biological microscope and stereo microscope
- Embedded XCamView for the control of the camera and image processing

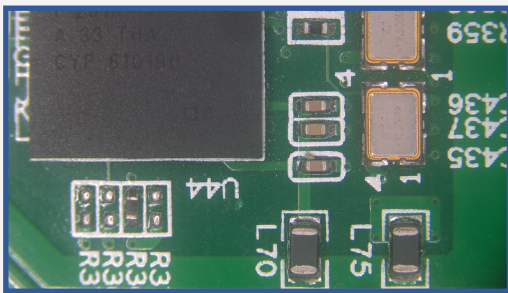
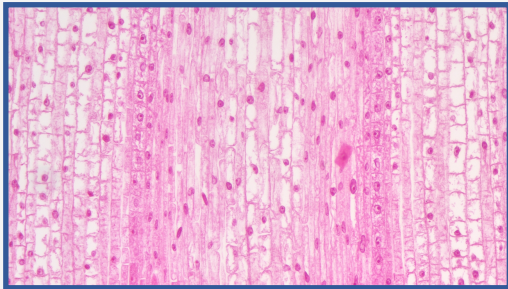
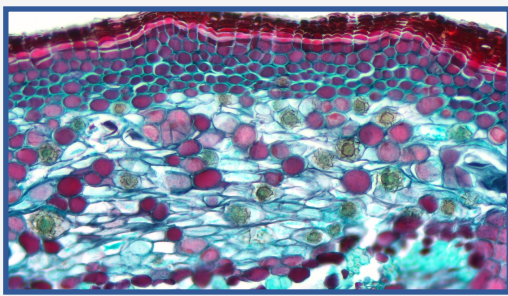
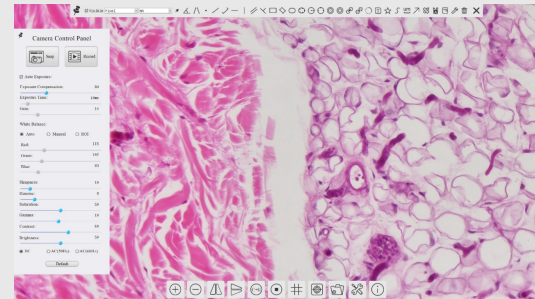
Easy to Set Up



High-Performance Microscope Software



Built-in mouse control software XCamView



LED

LED status indicator

HDMI

Comply with HDMI2.0 standard. 4K/1080P format video output and supporting automatic switch between 4K and 1080P format according to the connected monitors

USB Video

Connect PC or other host device to realize video image transmission

USB Mouse

Connect USB mouse for easy operation with embedded XCamView software

USB3.0

Connect USB flash drive to save pictures and videos
Connect 5G WIFI module to transfer video wirelessly in real time

LAN

LAN port to connect router and switch to transfer video

SD

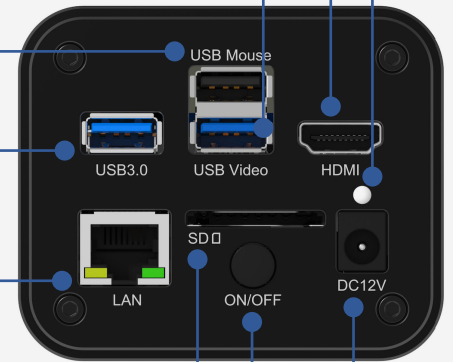
Comply with SDIO3.0 standard and SD card could be inserted for video and images saving

ON/OFF

Power switch

DC12V

Power adapter connection (12V/1A)



X7CAM4K Series Camera Datasheet and Functions

Order Code	Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	Sensor Output (FPS/Resolution)	Binning	Exposure(ms)
X7CAM4K8MPA	IMX678(C) 1/1.8"(7.68x4.32)	2.0x2.0	1364mv with 1/30s 0.1mv with 1/30s	72@3840*2160	1x1	0.019~1000
X7CAM4K8MPB	IMX585(C) 1/1.2"(11.14x6.26)	2.9x2.9	1028mv with 1/30s 0.39mv with 1/30s	75@3840*2160	1x1	0.048~1000

X7CAM4K Series Camera Datasheet and Functions

Camera Model	Video Saving (FPS/Resolution)	HDMI2.0(FPS/Resolution)	USB3.0(FPS/Resolution)	NETWORK(FPS/Resolution)
X7CAM4K8MPA	72@3840*2160	60@3840*2160 60@1920*1080	30@3840*2160 45@2688*1512 60@1920*1080	30@3840*2160 60@1920*1080 72@1280*720
X7CAM4K8MPB	75@3840*2160	60@3840*2160 60@1920*1080	30@3840*2160 45@2688*1512 60@1920*1080	30@3840*2160 60@1920*1080 75@1280*720