

76604K8MPA2 Series Camera Datasheet and Functions (2)



Order Code	Sensor & Size(mm)	Pixels(μm)	G Sensitivity Dark Signal	Sensor Output (FPS/Resolution)	Binning	Exposure(ms)
76604K8MPA2	Sony 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

amera Model	Video Saving(FPS/Resolution)	HDMI2.0(FPS/Resolution)	USB3.0(FPS/Resolution)	NETWORK(FPS/Resolution)
76604K8MPA2	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

Interface or Button	Function Description
USB Mouse:	Connect USB mouse for easy operation with embedded XCamView software
USB 3.0:	Connect USB flash drive to save pictures and videos Connect 5G WiFi module to transfer video wirelessly in real time
USB Video:	Connect PC or other host device to realize video image transmission
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
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
LED:	LED status indicator
DC12V:	Power adapter connection (12V/1A)

Video Output Interface	Function Description
HDMI Interface:	Comply with HDMI2.0 standard; 60fps@4K or 60fps@1080P
LAN Interface:	Support real time resolution switching(4K/1080P/720P) H264 encoded video DHCP configuration or manual configuration Unicast/multicast configuration
WiFi Interface:	Connecting 5G WiFi adapter (USB3.0 slot) in AP/STA mode
USB Video Interface:	Connecting USB Video port of PC for video transfer H264/MJPEG format video

Other Function	Function Description
Video Saving:	Video format: 8M(3840*2160) H264/H265 encoded MP4 file Video saving frame rate: 72fps(76604K8MPA2); 60fps in low delay mode
Image Capture:	8M (3840*2160) JPEG/TIFF image in SD card or USB flash drive(Default SD card priority, priority can be modified in settings)
Measurement Saving:	Measurement information saved in different layer with image content Measurement information is saved together with image content in burn in mode
ISP:	Exposure(Automatic / Manual Exposure) / Gain, White Balance(Manual / Automatic / ROI Mode), Sharpening, 3D Denoise, Saturation Adjustment, Contrast Adjustment, Brightness Adjustment, Gamma Adjustment, Color to Gray, 50HZ/60HZ Anti-flicker Function
Image Operation:	

	Zoom In/Zoom Out(Up to 10X), Mirror/Flip, Freeze, Cross Line, Browser(including Picture Browsing, Video Playback , Video Compare , Picture Compare), Measurement Function
Embedded RTC(Optional):	To support accurate time on board
Restore Factory Settings:	Restore camera parameters to its factory status
Multiple Language Support:	English / Simplified Chinese / Traditional Chinese / Korean / Thailand / French / German / Spanish / Japanese / Italian / Russian / Dutch / Portuguese

Software Environment under Network/USB Video Output	
White Balance:	Auto White Balance
Color Technique:	Ultra-Fine Color Engine
Capture/Control SDK:	Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc)
Recording System:	Still Picture or Movie
Operating System:	Microsoft® Windows® XP / Vista / 7 / 8 / 8.1 / 10 / 11(32 & 64 bit) OSx(Mac OS X) Linux
PC Requirements:	CPU: Equal to Intel Core2 2.8GHz or Higher
	Memory: 4GB or More
	Ethernet Port: RJ45 Ethernet 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/1A Adapter