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 Иваново (4932)77-34-06

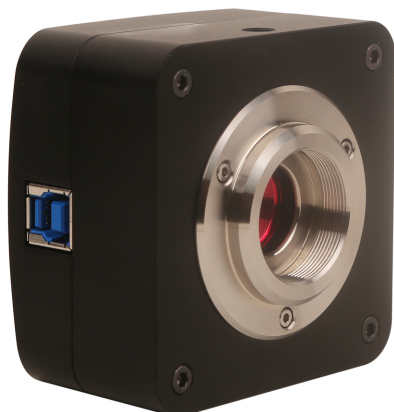
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<https://toupstek.nt-rt.ru/> || tuo@nt-rt.ru



U3ISPM Series C-mount USB3.0 CMOS Camera

Standard C-Mount camera with Aptina or Panasonic CMOS sensor;

With hardware resolution among 16M to 18M;

Ultra-fine™ HISP VP and USB3.0 5 Gbps interface ensuring high frame rates (Up to 13 frames for 18M Resolution)

CNC aluminum alloy housing;

USB3.0 5Gbps interface ensuring high speed data transmission;

Ultra-Fine color engine with perfect color reproduction capability;

With advanced video & image processing application ToupView;

Windows/Linux/macOS/Android multiple platform SDK;

Specification

U3ISPM Series C-mount USB3.0 CMOS Camera (3)

U3ISPM is an ultra-high performance USB3.0 CMOS camera and it adopts OnSemi or Panasonic CMOS sensor as the image-picking device and USB3.0 is used as the data transfer interface.

U3ISPM integrated with 12 bit Ultra-fine™ Hardware Image Signal Processor Video Pipeline (Ultra-fine™ HISP VP) for Demosaic, Adjustments, Automatic Exposition, Gain Adjustment, One Push White Balance, Chrominance Adjustment, Saturation Adjustment, Gamma Correction, Luminance Adjustment, Contrast Adjustment, Bayer and finally form RAW data for 8/12 bit output. This will move the heavier burden of the processing from the PC to the Ultra-fine™ HISP VP and greatly accelerating the processing speed.

U3ISPM comes with advanced video & image processing application ToupView; Providing Windows/Linux/macOS/Android multiple platform SDK (Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc);

The U3ISPM can be widely used in bright field light environment and microscope image capture and analysis with higher frame rate.

Order Code	Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	FPS/Resolution	Binning	Exposure
U3ISPM18000KPA IP118000A (New)	18M/AR1820(C) 1/2.3"(6.14x4.61)	1.25x1.25	0.62 V/lux-sec 65.8dB 36.3dB	13.1@4912x3684" 34.3 @2456x1842 54.4 @1228x922	1x1, 2x2, 4x4	0.1ms~2s
U3ISPM16000KPA IP116000A (New)	16M/MN34120(C) 1/2.13"(6.18x14.67)	1.335x1.335	R: 2453LSB Gr: 2444LSB Gb: 1054LSB B: 996LSB	16 @4648x3506 30 @2304x1750 27 @1536x1168	1x1, 2x2, 3x3	0.2ms~2s
U3ISPM16000KPB IP116000B (New)	16M/MN34230(C) 4/3"(17.60x13.30)	3.8x3.85	R: 1315LSB Gr: 2413LSB Gb: 2413LSB B: 1042LSB	22 @4648x3506 43@2304x1750 49@1536x1168	1x1, 2x2, 3x3	0.2ms~15s

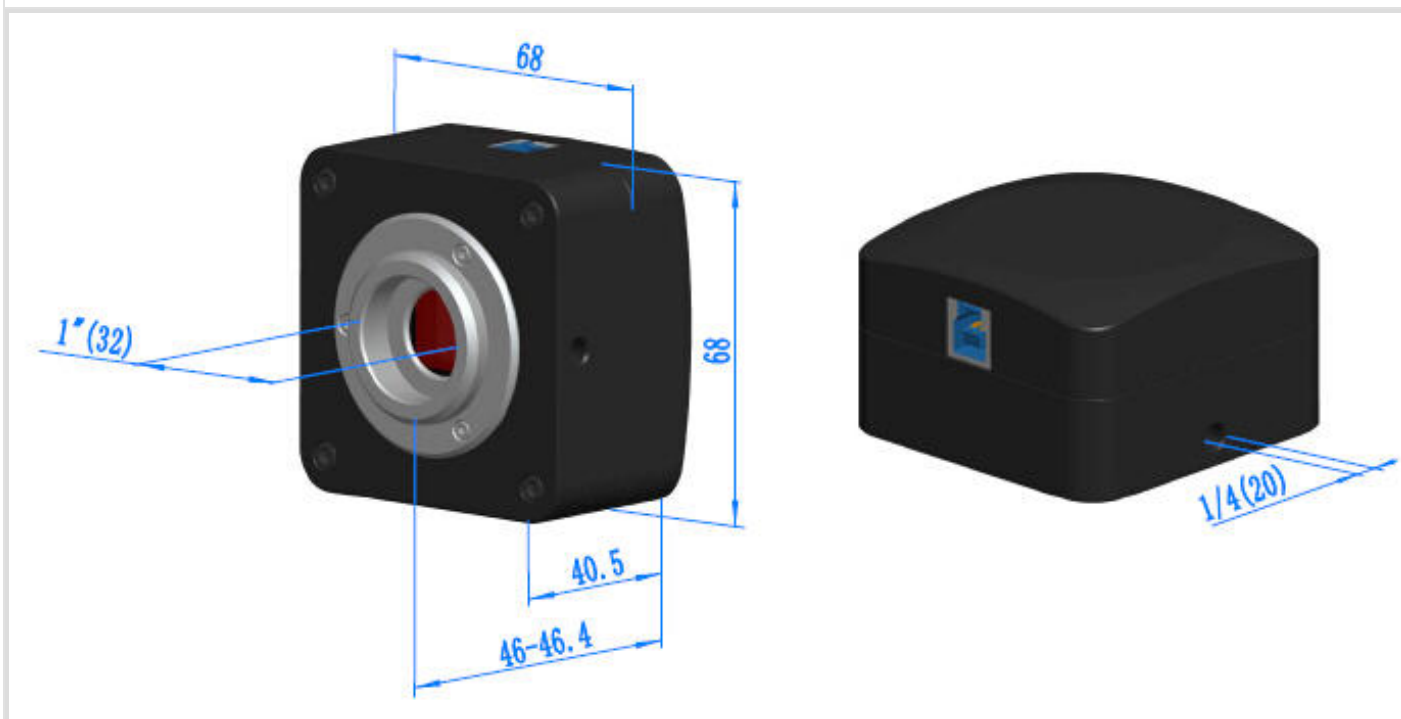
OTHER HARDWARE CONFIGURATION

Spectral Range	380-650nm (with IR-filter), for Monochromatic Camera, AR Is Used
White Balance	ROI White Balance/ Manual Temp-Tint Adjustment
Color Rendering 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 and Movie
Cooling System*	Natural

OPERATING ENVIRONMENT	
Operating Temperature	-10 °C- 50 °C
Storage Temperature	-20 °C- 60 °C
Operating Humidity	30-80%RH
Storage Humidity	10-60%RH
Power Supply	DC 5V over PC USB Port
SOFTWARE ENVIRONMENT	
Operating System	Support Microsoft Windows XP / Vista / 7 / 8 / 10(32 & 64 bit) OS X (Mac OS X), Linux
PC Requirements	CPU: Equal to Intel Core2 2.8GHz or Higher
	Memory: 2GB or More
	USB port: USB2.0 High-speed Port
	Display: 17" or Larger CD-ROM

Dimension of U3ISPM Series

Installation drawings(Click to enlarge). The U3SIPM body, made from CNC 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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