



WITHROBOT oCam Global Shutter Trigger Color Camera Instructions

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oCam-1CGN-U-T™

1 MP USB 3.0 GLOBAL SHUTTER TRIGGER COLOR CAMERA



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Global Shutter

Provides global shutter for time-synchronous applications.

External Trigger

Supports external trigger for time synchronization of multiple cameras or with external light source.

Color Output

Provides Bayer RGB color image which can be converted to RGB color image using the provided API. A dedicated viewer program supports the Auto Color Correction functionality

Fast

Provides up to 54 fps @1280 x 960 through USB 3.0 SuperSpeed interface.

Low CPU Usage

Allows data to be written to main memory without going through the CPU by USB 3.0.

Wide Compatibility

Supports plug-and-play by UVC compliance.

Versatile

Provides changeable standard M12 lens and tripod mount adapter.

Sensor	OnSemi AR0135 CMOS image sensor(1/3 inch)
Interface	USB 3.0 SuperSpeed
Lens	Changeable standard M12 lens
Supported OS	Windows 7/10, Linux, Plug-and play by UVC(USB Video Class) Protocol
Power	USB bus power
Operating Temperature	0°C ~ + 70°C
Rating	DC 5V / 180mA
Shutter	Global Shutter
Field Of View(FOV)	50°(V) X 92.8°(H) X 110°(D) @1280 x 960
Camera Control	Brightness, Exposure, Color Gain(Red, Blue)
Frame Rate(Max)	54fps @1280x960, 60fps @1280x720, 100fps @ 640x480, 180fps @320x240
Size	39mm x 39mm (PCB), 49mm x 49mm x 20mm (with protective case)

Documents / Resources

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