

oCam-1CGN-U-T™

1 MP USB 3.0 GLOBAL SHUTTER TRIGGER COLOR CAMERA



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)