

MVAC-PY-FX453-43XP

12 MP 1/1.7" CMOS USB3.0 Area Scan Camera



GEN*i*CAM

USBTM
VISION

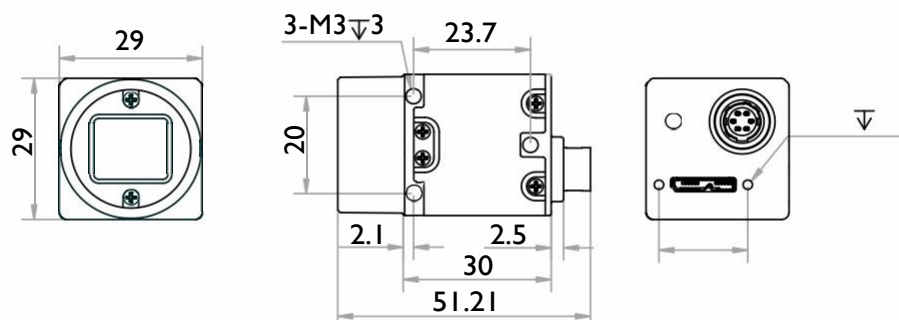
Introduction

Area camera Sony® sensor to adopts provide high-quality images. It uses USB3.0 interface to transmit non-compressed images in real time, and its max. frame rate can reach 29.2 fps in full resolution.

Key Feature

- Adopts brand new design to reduce power consumption.
- Supports auto or manual adjustment of gain, exposure time, manual adjustment of LUT, Gamma correction, etc.
- Supports customized ROI, horizontal and vertical reverse image output.
- Adopts compact design for small spatial installation.
- Compatible with USB3 Vision Protocol, GeniCam Standard, and the third-party software based on the protocol and standard.

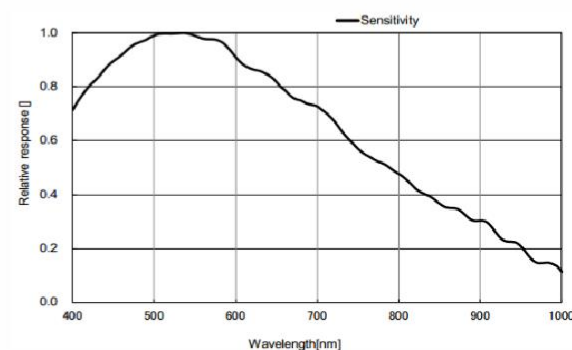
Dimension



Applicable Industry

Electronic semiconductor, factory automation, liquor and beverage, medicine packing, etc.

Sensor Quantum Efficiency



MVAC-PY-FX453-43XP



Specification

Model	MVAC-PY-FX453-43XP
Performance	
Sensor type	CMOS, rolling shutter
Sensor model	Sony® IMX226
Pixel size	1.85 μm × 1.85 μm
Sensor size	1/1.7"
Resolution	4024 × 3036
Max. frame rate	29.2 fps @4024 × 3036 Bayer RG 8
Dynamic range	69.4 dB
SNR	40.3 dB
Gain	0 dB to 24 dB
Exposure time	20 μs to 0.5 sec
Exposure mode	Off/Once/Continuous exposure mode, supports Global Reset and Rolling
Mono/color	Color
Pixel format	Bayer RG 8/10/10Packed/12/12Packed
Reverse image	Supports horizontal and vertical reverse image output
Electrical features	
Data interface	USB3.0, compatible with USB2.0
Digital I/O	6-pin P7 connector provides power and I/O, including opto-isolated input × 1 (Line 0), opto-isolated output × 1 (Line 1), bi-directional non-isolated I/O × 1 (Line 2).
Power supply	9 VDC to 24 VDC, supports USB3.0 power supply
Power consumption	Typ. 1.9 W@5 VDC (USB3.0 provides power supply)
Mechanical	
Lens mount	C-mount
Dimension	29 mm × 29 mm × 30 mm (1.1" × 1.1" × 1.2")
Weight	Approx. 76 g (0.2 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)
Humidity	20% to 80% RH, non-condensing
General	
Client software	MVS or third-party software meeting with USB3 Vision Protocol
Operating system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS
Compatibility	USB3 Vision, GenICam
Certification	CE, RoHS, KC



Hangzhou Hikrobot Co., Ltd.
en.hikrobotics.com

© Hangzhou Hikrobot Co., Ltd. All Rights Reserved.

Hangzhou Hikrobot does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice. All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.