

MV-CM2020C-0H

HDMI Microscope Camera



Introduction

MV-CM2020C-0H microscope camera adopts 2MP CMOS sensor to provide high-quality images, and has an embedded operating system to support multi-image processing. It can be directly connected to a monitor without a computer, providing image acquisition in real time.

Available Model

MV-CM2020C-0H

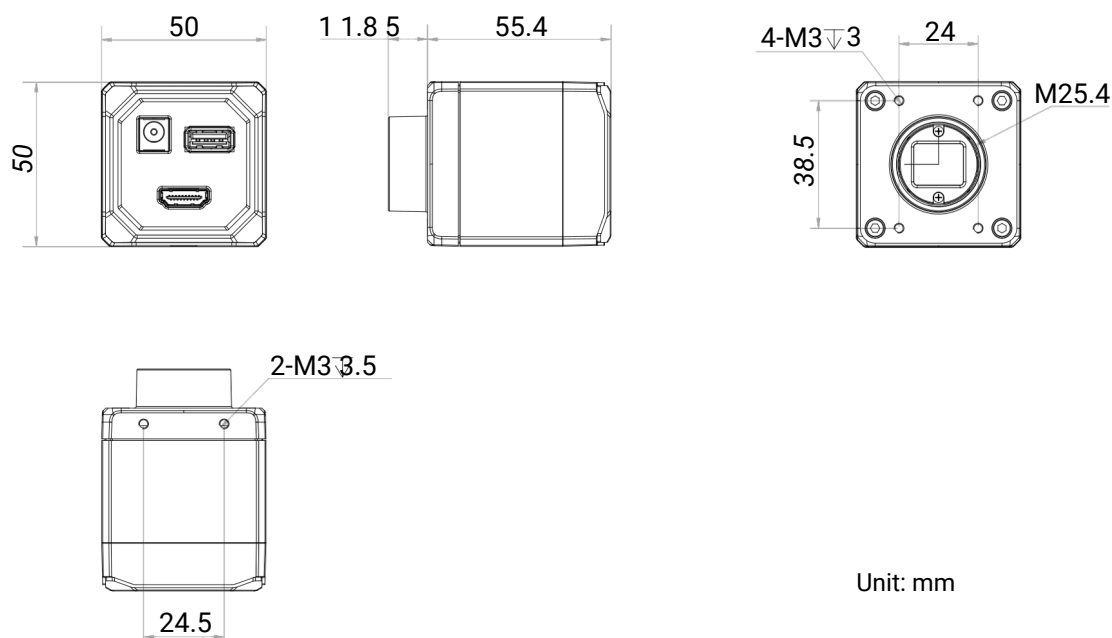
Applicable Industry

Electronic semiconductor, PCBA, biomedical industry, etc.

Key Feature

- Supports 2 MP high-quality image and 60 fps frame rate.
- Provides HDMI interface to connect to a monitor directly.
- Provides USB 2.0 interface to connect to a mouse.
- Supports cross line on the image, and horizontal and vertical reverse image output.
- Supports image adjustment, such as white balance, brightness, sharpness, 2D noise reduction, saturation, contrast, Gamma correction, and digital WDR.

Dimension



Unit: mm

Specification

HIKROBOT

Model	Performance	MV-CM2020C-0H
Sensor type	Pixel size	
Sensor size	Resolution	CMOS, rolling shutter
Max. frame rate	Gain	3.75 μm $\times$ 3.75 μm
Exposure time		1/2"
Mono/color mode	Exposure	1920 $\times$ 1080
Reverse image		60 fps
Electrical feature		0 dB to 42 dB
Transmission interface		300 μs to 100 ms
Console interface		Color
Power supply	Power	Auto/manual
consumption		Supports horizontal and vertical reverse image output
Mechanical	Lens mount	
Dimension	Weight	HDMI
Ingress protection		USB 2.0
Temperature		12 VDC to 24 VDC, independent power supply required
		Typ. 1.9 W @ 12 VDC
		C-mount
		50 mm $\times$ 50 mm $\times$ 55.4 mm (2.0" $\times$ 2.0" $\times$ 2.2")
		220 g (0.5 lb.)
		IP30 (under proper lens installation and wiring)
		Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 176 $^{\circ}\text{F}$)
Humidity		20% RH to 95% RH (no condensation)
General		
Certification		CE, RoHS