

# INTELART

# I3-C201 V1.0

Global Shutter Monochrome Camera

User Manual

[www.intelart.ir](http://www.intelart.ir)

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## Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

### **DANGER**

indicates that death or severe personal injury will result if proper precautions are not taken.

### **WARNING**

indicates that death or severe personal injury may result if proper precautions are not taken.

### **NOTICE**

indicates that property damage can result if proper precautions are not taken.

## Qualified personnel

The product/system described in this documentation may be operated only by personnel qualified for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions.

Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems

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# 1 Technical Specifications

## 1.1 Hardware Parameters

The following table specifies the hardware information of the device.

Table 1 Hardware parameters

<b>Sensor specifications</b>	Shutter type	Global
	MAX resolution	752X480
	Optical Format	1/3"
	Pixel Size	6.0 $\mu\text{m}$
	Image Area	4512 $\times$ 2880 $\mu\text{m}$
	MAX frame rate	150 fps
<b>Interface</b>	Interface Type	USB 2.0
	Data rate	480 Mbps
	Type of output voltage	DC
	Operating voltage	5V
	Hardware trigger	YES
	max current	0.5A
<b>Dimensions</b>	Width	50mm
	Height	50mm
	Depth	25mm
<b>Ambient Conditions</b>	Storage temperature	-15 to 75 $^{\circ}\text{C}$
	Operating temperature	0 to 55 $^{\circ}\text{C}$
<b>Miscellaneous</b>	Weight	Approx. 90g
	On board object light	Yes, with optional color
	Diagnostic LED	No

# 2 Dimensional drawing

The dimensions of the device are available in this section. For install the device follow the below dimensional drawing.

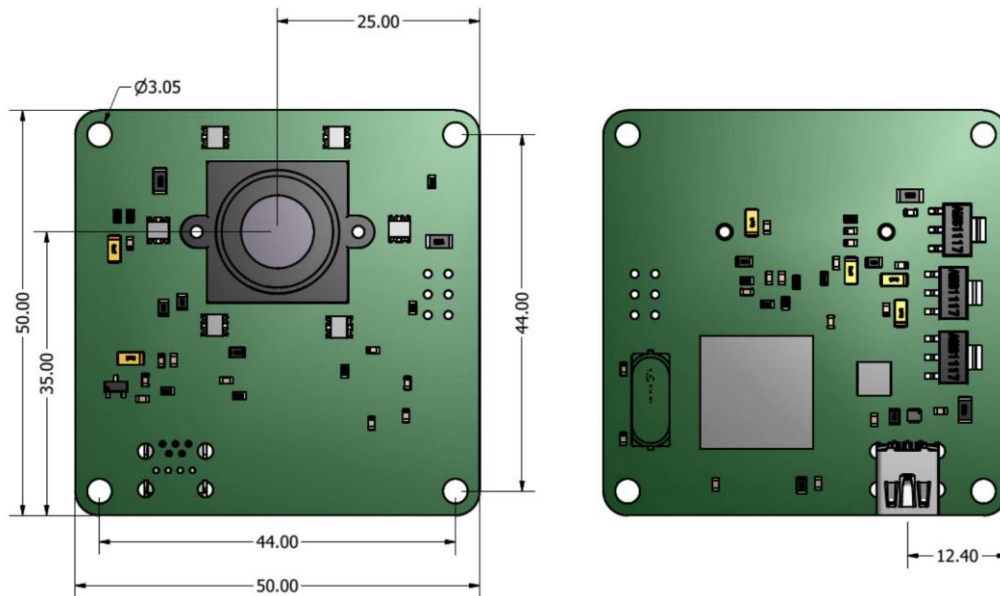


Figure 1 Dimensional drawing of I3-C201