



AVL1201-GUX-SMTC 2 MEGAPIXEL USB CAMERA

Product Specification

1/2.6 1920*1280 USB camera module

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ALG IMAGING TECHNOLOGY

➤ General Description

The ALG AVL1201-GUX-SMTC is a 2 Megapixel camera module designed for automotive and industrial applications. This camera uses crystal-glass lens to provide clear focus. With the high sensitivity image sensor, and HDR technology, it can achieve over 90dB high dynamic range. This module is easy to access by the USB, using UVC protocol, it has good compatibility for all types of host machines. This module is well protected by aluminum shell, offering high mechanical stability, meeting with the IP67 protection level. The product has superior performance, lower power consumption, and a wider operating temperature range.

➤ Features

High Image Quality: crystal glass lens; high dynamic range; ultra clear image;

Plug and Use: UVC interface driver free for PC, laptop, Android device, etc;

Reliability: high mechanical stability with aluminum cover; IP67 waterproof; operating temperature -40°C to 85°C

➤ Applications

Automotive: autonomous driving/ADAS

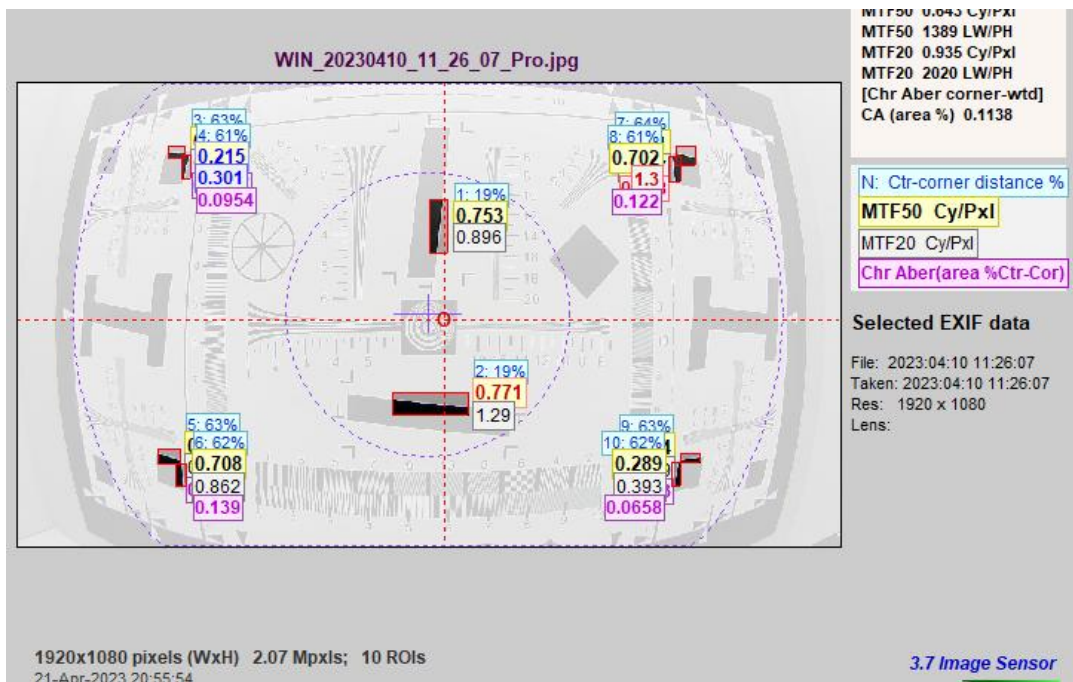
Security: CCTV

Robotics and machine vision

➤ Key Specifications

Type	Parameter	Annotation
Camera interface	USB2.0	
Pixel	2M (1920*1080)	
Frame rate	30PFS	
Horizontal viewing Angle	100°	
Dynamic range	90dB	
Protocol	UVC	
Image format	MJPEG	
Operating temperature	-40°C~85°C	
Protection level	IP67	
Cable length	300cm±2cm	
Audio	Build-in microphone	
Model	AVL1201-GUX-SMTC	

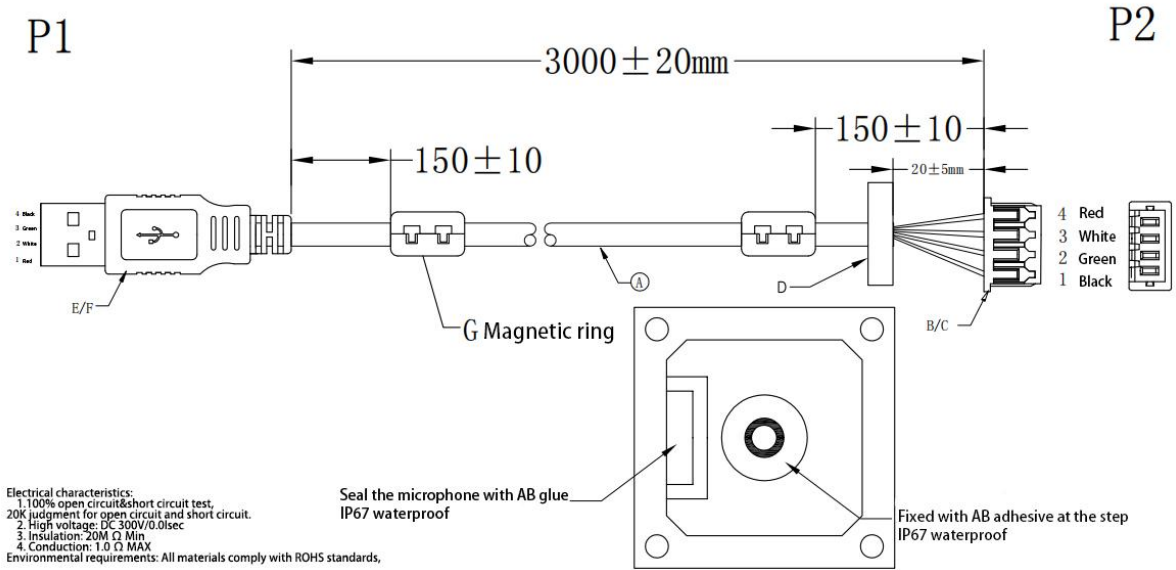
➤ Test Pattern



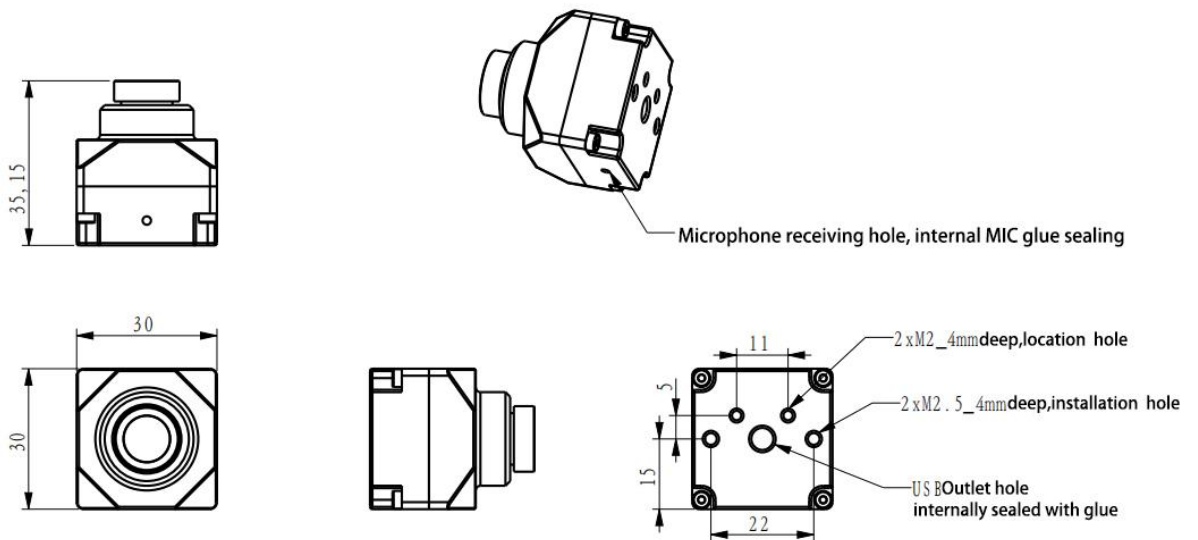


Camera detection map

➤ Connector



➤ Mechanics



➤ **Contact us**

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