
N635D-AI-V3-12V vehicle module specification

1. Scope of application

The information contained in this specification is applicable to N635D-AI-V3-12V vehicle module and contains key information such as module specification, appearance size and operation instructions.

2. Overview

The N635D-AI-V3-12V module is composed of 1 / 3 inch, 1 megapixel color image CMOS, sensor and ISP image processing chip, and output 720P analog HD image. ISP has the functions of color matrix, sharpness, gamma correction, automatic electronic shutter, automatic white balance, automatic gain control, adaptive backlight compensation, 2D noise reduction, 3D, noise reduction, reversing assist line, AI recognition and buzzer alarm.

3. Technical parameters

order number	The parameter name	Parameter specifications
1	Sensor type:	CMOS
2	Sensory size:	1/3
3	Effective pixels:	1280(H)x720(V)
4	white balance:	voluntarily
5	Automatic Gain Control AGC:	voluntarily
6	Backlight compensation:	have
7	denoise:	2D DNR,3D DNR
8	noise-signal ratio:	>52dB(AGC OFF)
9	Video Format:	AHD 720P@25FPS
10	Video Output:	And 1.0 Vp-p / 75 ohms
11	Gamma correction:	0.45
12	report to the police:	buzzer
13	Operating Voltage:	DC6V-18V
14	Operating current:	89mA(U=12V)
15	power:	1W(U=12V)
16	Working temperature:	-40°C~+85°C
17	Exterior Dimensions:	The 17mm octagonal shape
18	plate number:	2 pieces (power board + motherboard)

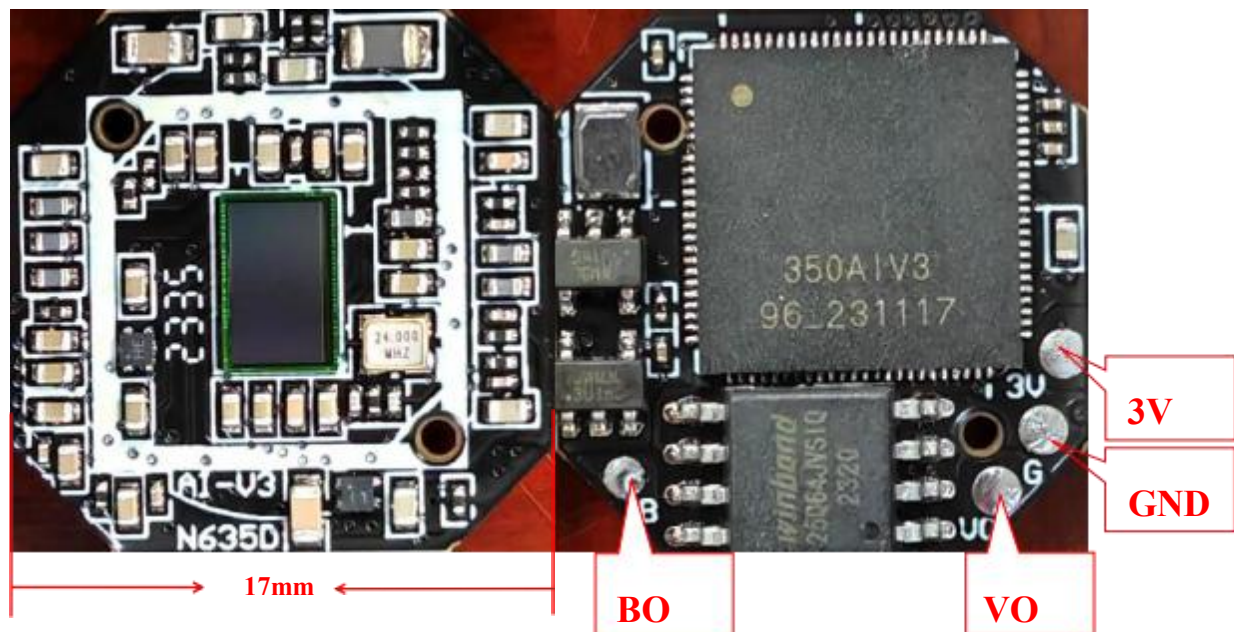
4. Storage method

A. Good storage conditions: refers to the temperature less than 25 degrees, relative humidity less than 65%, temperature control, no corrosive gas in indoor environment, electrostatic bag packaging storage.

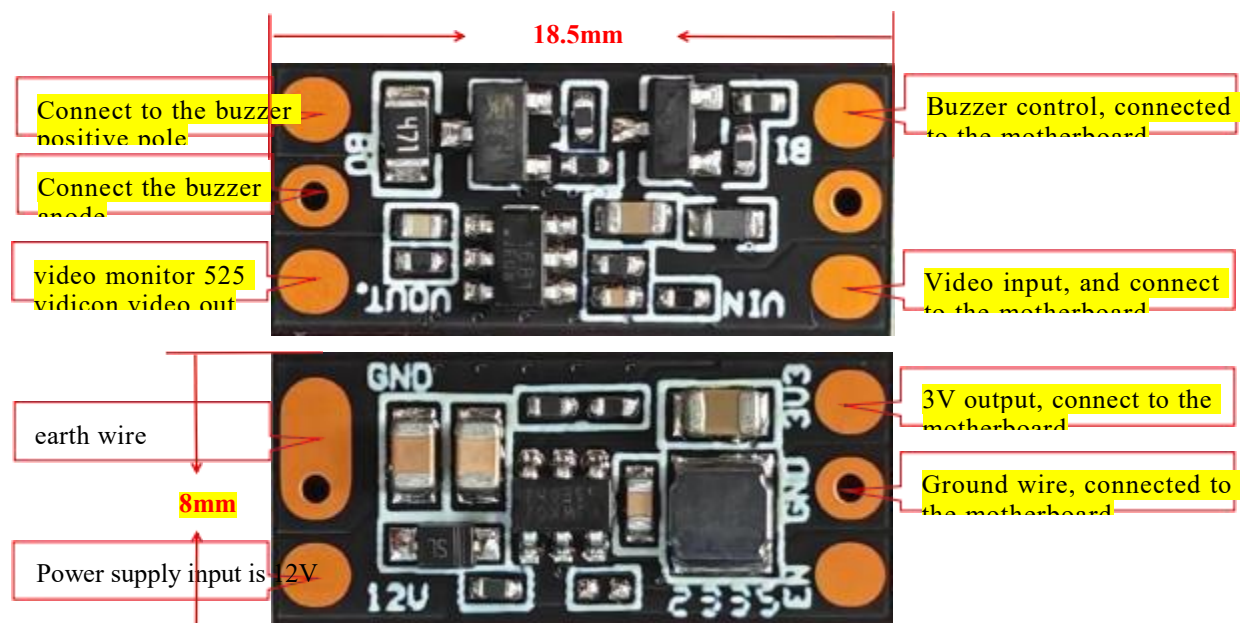
B. General storage conditions: refers to the temperature is not higher than 35 degrees, the relative humidity is less than 75%, the indoor environment without corrosive gas, electrostatic bag packaging storage.

C. Long-term storage: if used to avoid moisture risk, baking at 80 degrees for 4 hours, must be re-tested.

5. Appearance and interface



3V	Power supply input, connect the power supply to 3V
GND	Connect the power board GND
VO	Video output, connect the power board VIN;
BO	Buzzer control output, intermittent 0.5 seconds to 1 second output high and low level, connect the power board BI;



6. Video output mode

order number	model	explain
1	N635D-AI-V3-12V-AHD-P-M-L	AHD output \ 720 P @ 25 FPS \ mirror \ reversing line