
N635D double board-AI-V3-12V vehicle module specification

1. Scope of application

The information contained in this manual applies to the N635D double board-AI-V3-12V vehicle module, including key information such as module specifications, external dimensions, and operation instructions.

2. Overview

The N635D dual-board AI-V3-12V module features a 1/3-inch, 1-megapixel color image CMOS sensor and an ISP image processing chip, capable of producing 720P analog HD images. The ISP offers a range of features including a color matrix, sharpness enhancement, gamma correction, automatic electronic shutter, automatic white balance, automatic gain control, adaptive backlight compensation, 2D noise reduction, 3D noise reduction, reversing assistance lines, AI recognition, and buzzer alarms.

3. Technical parameters

order number	Parameter name	Parameter specifications
1	Sensor type:	CMOS
2	Sensitized 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 monitor 525 vidicon video out :	1.0 Vp-p / 75 ohms
11	Gamma correction:	0.45
12	report to the police :	buzzer
13	working voltage :	DC6V-18V
14	working current :	89mA (U=12V)
15	power :	1W (U=12V)
16	working temperature :	-20°C~+70°C
17	External dimensions:	17mm octagonal
18	plate number :	2 pieces

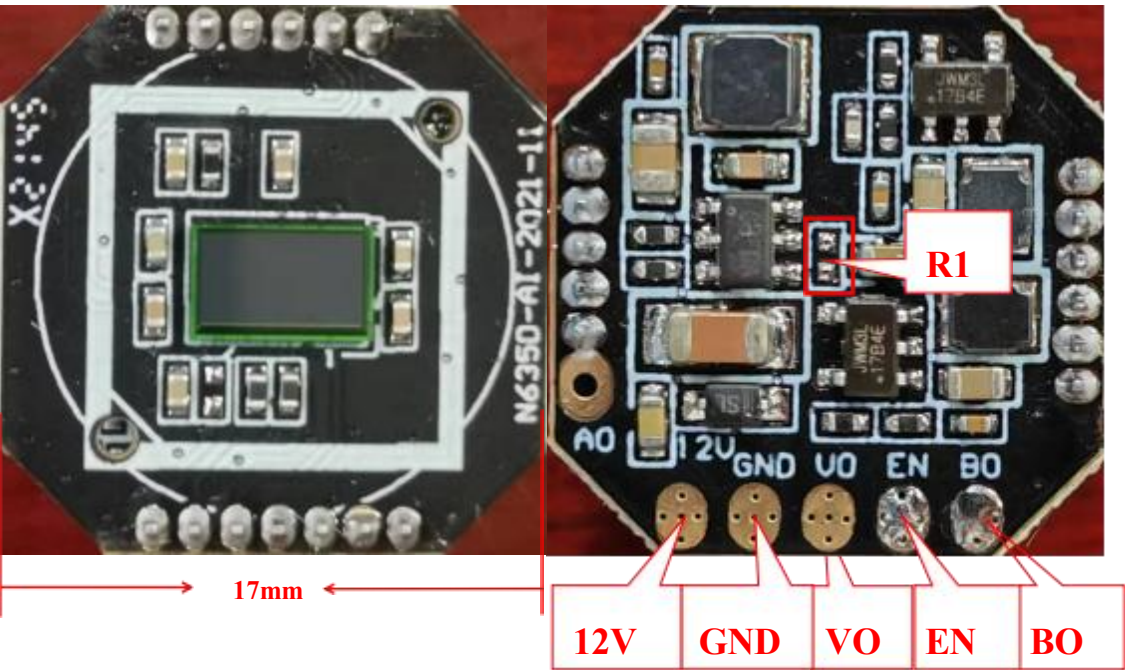
4. Storage method

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

B. General storage conditions: the temperature is not higher than 35 degrees, the relative humidity is less than 75%, the indoor environment is free of corrosive gas, and the storage is packaged in electrostatic bags.

C. Long-term storage: If you need to use it, avoid the risk of moisture. It needs to be baked at 80 degrees for 4 hours and must be retested.

5. Appearance and interface



12V	Power input; (the cart can be connected to ACC)
GND	the earth ;
VO	video monitor 525 vidicon video out ;
EN	Power switch control; (the trolley can be connected to the positive power of the reversing light to control the on and off)
BO	Beeper alarm output; intermittent output of high and low levels for 0.5 to 1 second, which can drive the buzzer;
R1	If the EN is not attached, it can be controlled by the power switch (normal no attachment); after the attachment, the power supply is always on, and the EN has no effect.

6. Video output mode

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

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