
N568D-3V3-5V vehicle module specification

1. Scope of application

The information contained in this specification is applicable to N568D-3V3-5V vehicle module and contains key information such as module specification, appearance size and operation instructions.

2. Overview

The N568D-3V3-5V module is composed of 1 / 2.7 inch, 2 megapixel HDR color image CMOS sensor and ISP image processing chip, and output 1080P analog HD image. ISP has 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 and other functions.

3. Technical parameters

order number	The parameter name	Parameter specifications
1	Sensor type:	CMOS
2	Sensory size:	1/2.7 "
3	Effective pixels:	1920(H)x1080(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 1080P@25FPS; AHD 1080P@30FPS
10	video monitor 525 vidicon video out:	And 1.0 Vp-p / 75 ohms
11	Plus code correction:	0.45
12	working voltage:	DC3.3V-5V
13	working current:	120mA
13	power:	0.4W (U=3.3V)
14	working temperature:	-20℃~+70℃
15	External size:	The 16mm octagonal shape

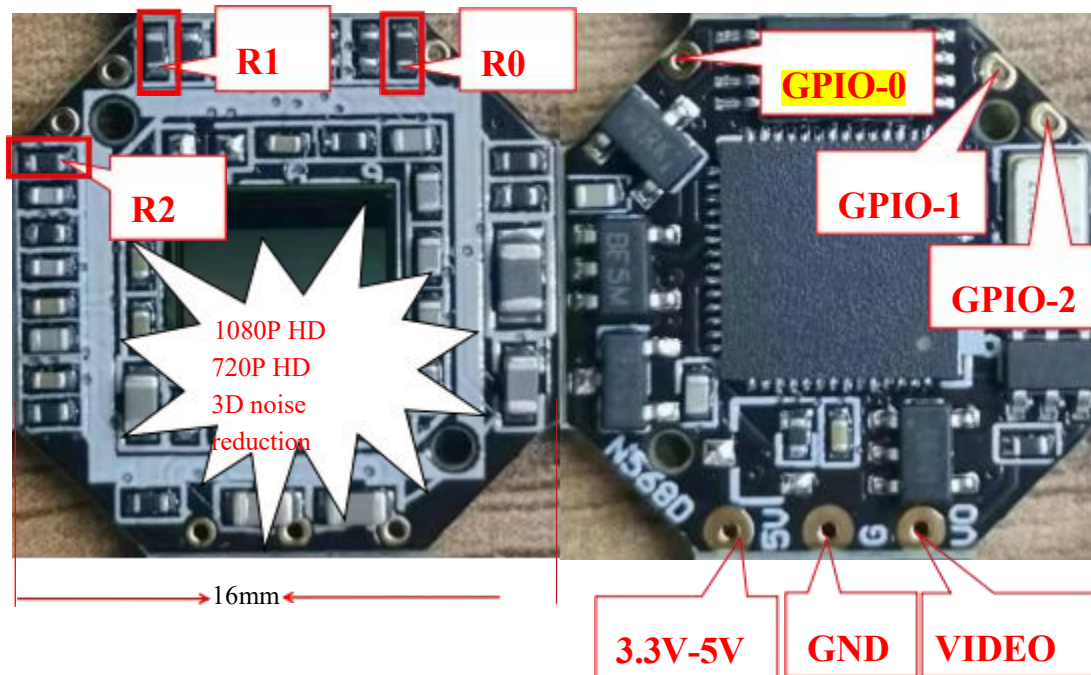
4. Storage method

A. Good storage conditions: refers to the temperature less than 25 degrees, relative humidity less than 65%, with temperature control, indoor environment without corrosive gas, 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 you need to use, avoid moisture risk, need high temperature 80 degrees baking for 4, hours, must be re-tested.

5. Appearance and interface



3.3V-5V	power input
GND	the earth
VIDEO	video monitor 525 vidicon video out
GPIO-0	R0 patch without marking; R0 is not marked; R0 is not affixed can be line control: ground without marking.
GPIO-1	R1 patch mirror; R1 not aligned; R1 not pasted can be wired: ground mirror.
GPIO-2	R2 patch AHD _ 720P; R2 not patch AHD _ 1080 P; R2 not patch can wire control: ground 720 P.
Note: 1. GPIO-0 and GPIO-1 functions can be customized to control the reverse line, control the mirror image, and control the image up and down. 2. GPIO-2 can adjust the image output system, 360 look around the image without mark.	

6. Video output mode

order number	model	explain
1	N568D-3V3-5V-AHD-P-M	AHD output \ 10800 P @ 25 FPS \ mirror
2	N568D-3V3-5V-AHD-P-M-L	AHD Output \ 1080 P @ 25 FPS \ Mirror \ reversing line
3	N568D-3V3-5V-AHD-N-M	AHD output \ 1080 P @ 30 FPS \ mirror
4	N568D-3V3-5V-AHD-N-M-L	AHD Output \ 1080 P @ 30 FPS \ Mirror \ reversing line
5	N568D-3V3-5V-AHD-P-M	AHD output \ 720 P @ 25 FPS \ mirror
6	N568D-3V3-5V-AHD-P-M-L	AHD output \ 720 P @ 25 FPS \ mirror \ reversing line



7	N568D-3V3-5V-AHD-N-M	AHD output \ 720 P @ 30 FPS \ mirror
8	N568D-3V3-5V-AHD-N-M-L	AHD output \ 720 P @ 30 FPS \ mirror \ reversing line

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