
N583D-V3-3V3-5V on-board module specification

1. Scope of application

The information contained in this specification is applicable to N583D-V3-3V3-5V vehicle module, including key information such as module specification, appearance size and operation instructions.

2. Overview

The N583D-V3-3V3-5V module consists of 1 / 3 inch, 2 megapixel 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. Up to 4 points of control switching is supported.

3. Technical parameters

order number	The parameter name	Parameter specifications
1	Sensor type:	CMOS
2	Sensory size:	1/3 "
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:	Refer to the "6. Video Output System" table
10	Video Output:	And 1.0 Vp-p / 75 ohms
11	Gamma correction:	0.45
12	Operating Voltage:	DC3.3V ~ 5V
13	Operating current:	3.3V/130mA ~ 5V/100mA
13	Power:	0.43W/U=3.3V ~ 0.5W/U=5V
14	Working temperature:	-30°C~+85°C
15	Exterior Dimensions:	The 16mm octagonal shape

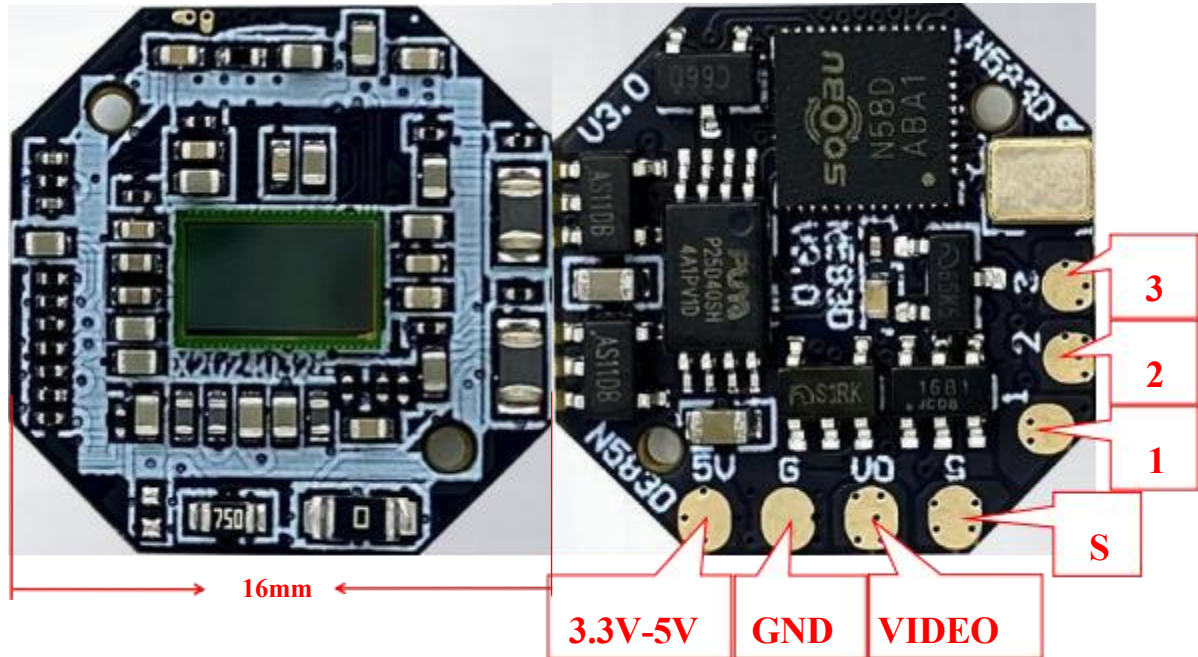
4. Storage method

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



3.3V-5V	power input
GND	the earth
VIDEO	video monitor 525 vidicon video out
1	Ground switch mirror image: the forward image or mirror image is optional
2	Ground switching line: marked or not optional
3	Ground switch flip: positive or inverted image is optional (standard switch is invalid in this state) Grounding switching system: optional video system in the table (6. Video output system)
S	Grounding switching system: optional video system in the table (6. Video output system)

6. Video output system

order number	Video system	explain
1	CVBS_PAL	1. When only using the "S" control point action system to switch, select any two video system switch output from 1 to 10 in the left table. 2. When using the "3" and "S" control point action system to switch at the same time, you can choose any 4 video system switching output from 1 to 10 in the left table, and the combination is 4 states: (1): "3" is not grounded, "S" is not grounded; (2): "3" is not grounded, "S" grounding wire; (3): "3" grounding wire, "S" is not grounded; (4): "3" grounding wire, "S" grounding wire.
2	CVBS_NTSC	
3	AHD720P@25FPS	
4	AHD720P@30FPS	
5	AHD1080P@25FPS	
6	AHD1080P@30FPS	
7	TVI720P@25FPS	
8	TVI720P@30FPS	
9	TVI1080P@25FPS	
10	TVI1080P@30FPS	

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