
N566-3V3 vehicle module specification

1. Scope of application

The information contained in this specification is applicable to N566-3V3 vehicle module, including key information such as module specifications, appearance dimensions and operation instructions.

2. Overview

The N566-3V3 module is composed of 1 / 3 inch, 1.3 megapixel color image CMOS, sensor and ISP image processing chip, and output 960H 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, reversing assist line and other functions.

3. Technical parameters

order number	The parameter name	Parameter specifications
1	Sensor type:	CMOS
2	Sensory size:	1/3 "
3	Effective pixels:	1280(H)x960(V)
4	white balance:	voluntarily
5	Automatic Gain Control AGC:	voluntarily
6	Backlight compensation:	have
7	denoise:	2D DNR
8	noise-signal ratio:	>52dB(AGC OFF)
9	Video Format:	CVBS 960H PAL/NTSC
10	Video Output:	And 1.0 Vp-p / 75 ohms
11	Gamma correction:	0.45
12	Operating Voltage:	DC3.3V
13	Operating current:	110mA
13	Power:	0.4W (U=3.3V)
14	Working temperature:	-20°C~+70°C
15	Exterior Dimensions:	The 16mm round shape

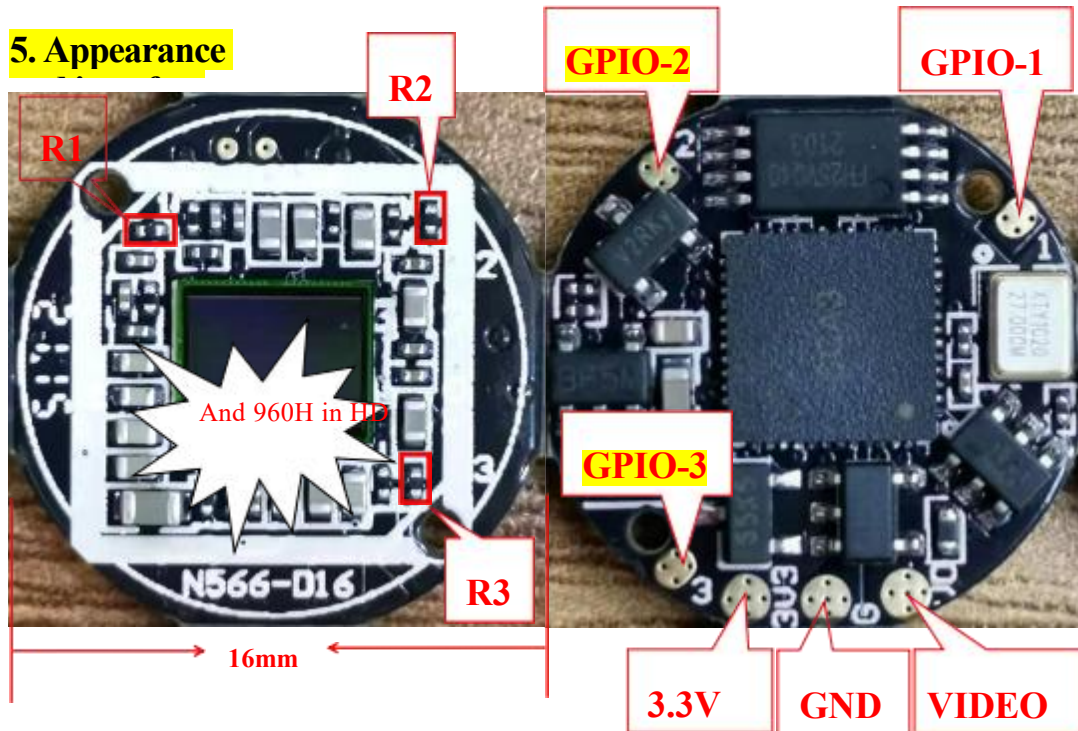
4. Storage method

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



3.3V	power input
GND	the earth
VIDEO	video monitor 525 vidicon video out
GPIO-1	0 Euro resistance R1 switching system: patch NTSC, no PAL, default patch
GPIO-2	0 Euro resistance R2 switching line: patch with label, not affixed without label, default patch
GPIO-3	0 Euro resistance R3 switch mirror: patch mirror, no positive image, default patch
<p>Note: The R1, R2 and R3 corresponding to the function must be removed.</p>	

6. Video output mode

order number	model	explain
1	N566-3V3-CVBS-P	The CVBS output \ PAL \ is just like
2	N566-3V3-CVBS-P-M	CVBS output \ PAL \ mirror
3	N566-3V3-CVBS-P-M-L	CVBS output \ PAL \ mirror \ reversing line
4	N566-3V3-CVBS-N	CVBS output \ NTSC \ positive like
5	N566-3V3-CVBS-N-M	CVBS output \ NTSC \ mirror
6	N566-3V3-CVBS-N-M-L	CVBS output \ NTSC \ mirror \ reversing line

The above models are the same board, all the hardware is the same, the difference is that the firmware is different.