
N636DB Vehicle-mounted module specification

1. Scope of application

The information contained in this specification is applicable to N636DB vehicle module and contains key information such as module specification, appearance size and operation instructions.

2. Overview

N636DB The module is composed of 1 / 3 inch, 1 million pixel color image CMOS, sensor and ISP image processing chip, and output 720P 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 / 3 Inch
3	Effective pixels:	1280(H)x720(V)
4	Pixel size:	3.75um x 3.75um
5	CRA:	15 °
6	white balance:	voluntarily
7	Automatic Gain Control AGC:	voluntarily
8	Backlight compensation:	have
9	denoise:	2D DNR,3D DNR
10	noise-signal ratio:	>48dB(AGC OFF)
11	Video format:	AHD 720P@25FPS; AHD 720P@30FPS
12	video monitor 525 vidicon video out:	And 1.0 Vp-p / 75 ohms
13	Plus code correction:	0.45
13	working voltage:	DC12V
14	working current:	45mA
15	power:	0.5W
16	working temperature:	-40°C~+85°C
17	External size:	22mm*22mm

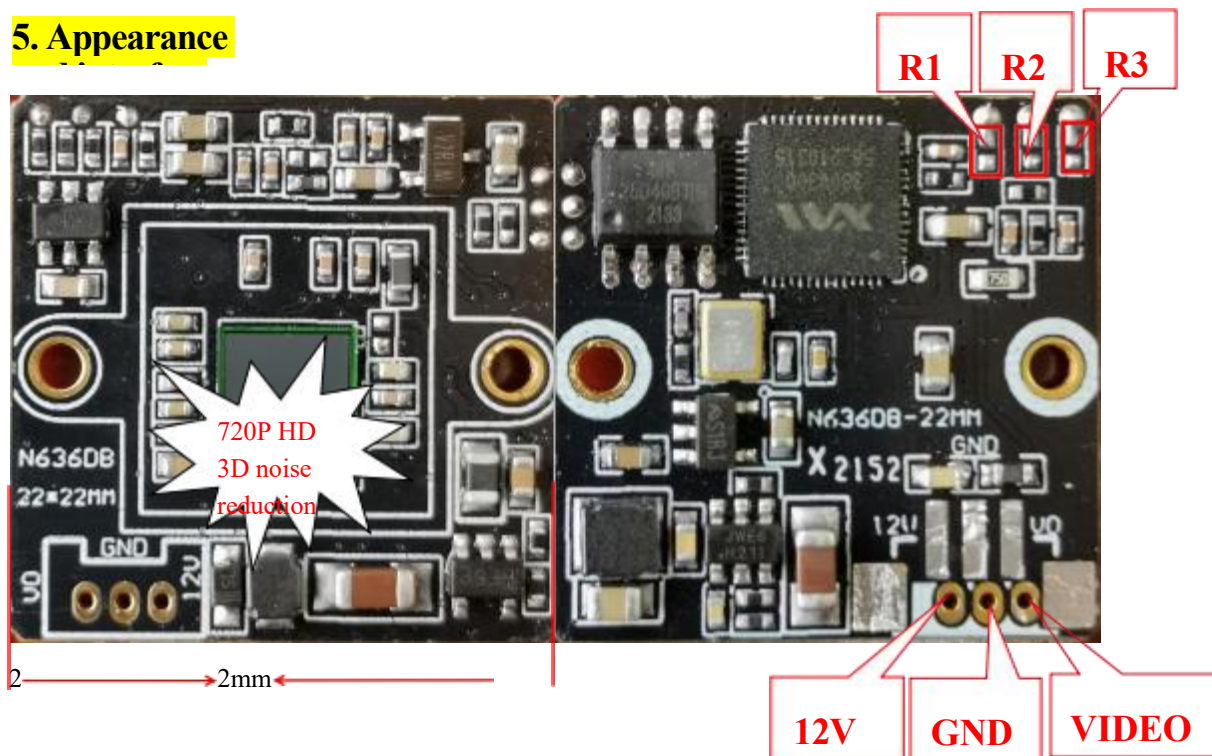
4. Storage method

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



12V	power input
GND	the earth
VIDEO	video monitor 525 vidicon video out
R1	Default R1: patch mirror, do not stick to the original image.(Customizable function)
R2	Default R2: No patch is labeled, not labeled.(Customizable function)
R3	Default R3: Patch AHD, not labeled with CVBS.(Customizable function)
The R1, R2, and R3 functions can be customized.	

6. Video output mode

order number	model	explain
1	N636DB-AHD-P-M	AHD output \ 720 P @ 25 FPS \ mirror
2	N636DB-AHD-P-M-L	AHD output \ 720 P @ 25 FPS \ mirror \ reversing line
3	N636DB-AHD-N-M	AHD output \ 720 P @ 30 FPS \ mirror
4	N636DB-AHD-N-M-L	AHD output \ 720 P @ 30 FPS \ mirror \ reversing line
5	N636DB-CVBS-P-M	CVBS output \ PAL \ mirror
6	N636DB-CVBS-P-M-L	CVBS output \ PAL \ mirror \ reversing line
7	N636DB-CVBS-N-M	CVBS output \ NTSC \ mirror
8	N636DB-CVBS-N-M-L	CVBS output \ NTSC \ mirror \ reversing line

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