■ BRIEF OF PRODUCT

Sensor
Using high-performance image sensor, with millions of pixels resolution.

* Auto Gain Control (AGC)
Built-in auto gain control **(AGC)** circuit. The color camera can get high definition picture in low Lux condition.

* Auto Electronic Shutter (AES)
Built-in auto electronic shutter function.

* Gamma Characteristic
Camera Gamma characteristic is **0.45.**

* Scanning Mode
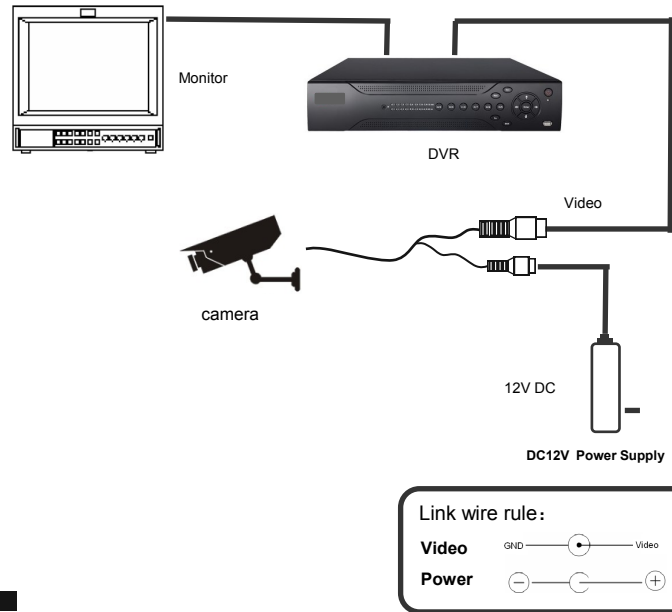NTSC or PAL mode.

* Night-time Vision
0 Lux with IR LED ON. Adopt TaiWan high quality IR LED, having very good night-vision effect.

⚠️ **Notes：**

● The power supply must through safe attestation. Its output voltage、current、voltage polarity and operating temperature must match the camera's requirement.

● When using the camera in the thunderbolt condition, please note to mount Anti-thunder device or put off the power supply plug and cable.

● In order to capture high quality pictures, the power supply's cable and video output cable should not be too long.

■ CONNECTING

Monitor

DVR

Video

camera

12V DC

DC12V Power Supply

Link wire rule：
Video GND —●— Video
Power ⊖ —C— ⊕

■

■ TROUBLE AND SOLUTION

1. No Picture after providing power
. May be the power supply voltage abnormity, please check the power supply voltage and pole whether exactitude.
. Please check all the connecting cable and monitors whether be connected correctly or not.

2. The picture level direction have flowing interference ripples
. May be caused by the power supply AC ripples, it need filter the wave of the power supply.
. Check the monitor and peripheral equipments used.

3. The picture background color changes continuously
. The fluorescent lamp's electromagnetic field cause color roll. This is proper phenomenon of the cameras.
. Reduce the fluorescent lamp numbers or increase the distance between the camera and the fluorescent lamps can improve it.
. Use power supply external sync. camera can solve it.

4. The picture smear too mass
. The power supply's voltage unstable.
. Connecting cables not connect correctly or have high impedance.

■ INTRODUCTION

Congratulations on your purchase of this product..
This User Guide suits camera series product. We adopt the latest technical of sensor and driver. The most attractive characteristics are night-time vision and vandalproof, and widely applicable to day & night, indoor & outdoor. In addition, it owns the characters of high definition and stability, strong anti-jamming, rich and real color. Fixing and using this model are convenient too. It is very good for you to apply to yours CCTV system.
Please read this instruction manual carefully to ensure proper use of the product.

⚠️ Warning — To prevent fire or shock hazarded. Do not expose the unit to rain or moisture.

⚠️ The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.

⚡ The symbol is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient Magnitude to consti- a risk of electric shock to persons.

⚠️ **CAUTION:** ⚡
RISK OF ELECTRIC. DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC
SHOCK
DO NOT REMOVE COVER OR BANCK NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING

CAUTION:
To prevent electric shocks and risk of fire hazards, do NOT use other than specified power source.

⚠️ **Note：**

● Please note the camera's operating temperature and its using environment requirement. Avoid using the camera at too high or too low temperatures. The operating temperature is -10□-50□. (Recommendatory operating temperature is -5□--40□.)

● Never make the camera face the sun or bright object. Otherwise, it will damage the CCD.

● Do not mount the camera near by the radiator or heater.

■ Specification

Model	VDM-406NG-4N1-1MP
Pick Up Element	1/4 CMOS sensor
Effective Picture Elements (H*V)	1280*720
Horizontal Resolution	720P
S/N Ratio	48dB(min)(AGC closed)
Minimum Illumination	0 Lux (with IR LED ON)
Auto Electronic Shutter	$1/60s - 1/10000s$
Auto Gain Control	Auto
White balance	Auto
Day and night conversion	ICR mechanical switch
IR Project Distance	30M
IR Status	Under 10 Lux by CDS
IR Power On	CDS Auto Control
Video Output	A/T/C/CVBS
Power/Current	12VDC (+/-10%)/ 350mA
Lens	3.6-12mm
Dimension (mm)	¢ 145*89
Weight (g)	800
Storage Temperature	-30~ +60℃
Operating Temperature	−10℃～+55℃

■ Packing List

No	Name	Number
1.	camera	1
2.	User Guide	1

Franchiser：

VDM-406NG-4N1-1MP   Series

Color Camera

IR Vandalproof Dome Camera

Notes：**Before providing power for the camera, please read this User Guide in detail!**

Do not attempt to disassemble the camera. If the camera can not work, please contact local franchiser or our company.