

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

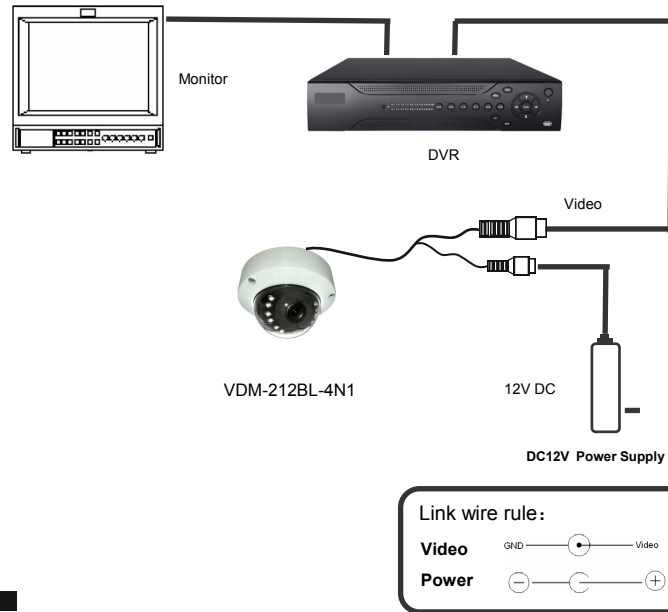
0 Lux with IR LED ON. Adopt TaiWan high quality IR LED, having very good night-vision effect.



Notes:

- The output voltage, current, voltage polarity and operating temperature must match the camera requirements.
- Use lightning protection.
- Avoid using long power and video cables in order to maintain high quality pictures.

CONNECTING



TROUBLE AND SOLUTION

1. No picture after powering on the device

- . Check the power supply if connected properly
- . Check all the cables and monitors if connected properly

2. Interference appears on the picture

- . May be caused by the PSU AC ripples
- . Check the monitors and peripheral equipments used

3. The background color of the picture changes continuously

- . The color roll may be caused by the electromagnetic field of a fluorescent lamp
- . Reduce the number of fluorescent lamps or increase the distance between the camera and the fluorescent lamps in order to improve the quality of the picture

4. Too much smear appears on the picture

- . The PSU voltage is unstable
- . The cables are not connected properly or the impedance is high

INTRODUCTION

Use this user manual for VDM-212BL-4N1. The latest technology has been adopted for both sensor and driver. Highlighted features of the camera cover HD video and lossless transmission by common 75-3 type coaxial cable, high stability, rich and real color, easy and convenient mounting in most environments. Please read this user manual carefully in order to making sure a proper use of the product.



For prevention against fire and electric shock. Do not expose the unit rain into water too long time directly.



The symbol is intended to alert the user to the presence of important operating and maintenance instructions



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 constitute a risk of electric shock to persons.



CAUTION:
RISK OF ELECTRIC SHOCK. DO NOT OPEN



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

CAUTION:

In order to prevent electric shocks and risk of fire, do NOT use other than specified power sources.



Note:

- Please pay attention to the operating temperature and the environment requirements of the camera. Avoid using the camera at too high or too low temperatures. The operating temperature is $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$.
- Never expose the camera to direct sunlight or bright objects.
- Do not mount the camera next to a radiator or heater

Specification

Pick Up Element	CMOS 2.0 Mega Pixels
Effective Picture Elements (H*V)	1920(H)×1080(V)
Horizontal Resolution	1080P
S/N Ratio	More than 48dB
Minimum Illumination	0Lux (with IR LED ON)
Auto Electronic Shutter	PAL : 1/50s -1/10000s NTSC:1/60s -1/10000s
Auto Gain Control	Auto
White balance	Auto
Day and night conversion	ICR mechanical switch
IR Project Distance	10 Meters (with 12 Unit Infrared LED)
IR Status	Under 10 Lux by CDS
IR Power On	CDS Auto Control
Video Output	A/C/T/CVBS
Power /Current	12VDC (+/-10%)/ 300mA
Lens	2.8mm
Water Resistance	IP66
Dimension (mm)	∅ 110*82
Weight (g)	280
Storage Temperature	-30~ +60□
Operating Temperature	-10~ +55□

Packing List

No	Name	Model	Number
1.	Vandalproof Dome Day &Night IR Color Camera	VDM -212BL -4N1	1
2.	User Guide	VDM -212BL -4N1	1

Franchiser :

VDM -212BL -4N1 Series Color Camera

vicom

Vandalproof Dome Day &Night IR Color 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.