

## OWNER'S MANUAL

# CCTV MINI VANDAL CAMERA

VDM-41 410K Pixels



VDM-41N/P



VDM-41P

Please read these instructions carefully before operating this unit, and retain this manual for future reference.

**WONWOO**



**WONWOO ENGINEERING Co.,Ltd.**

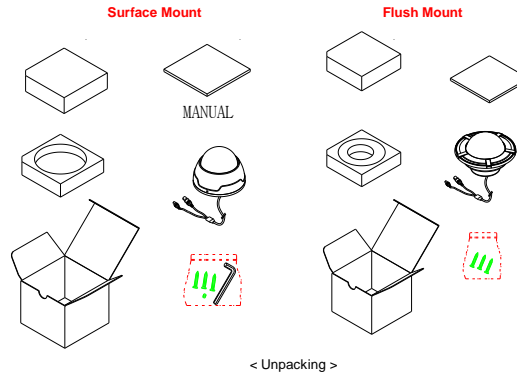
7F 201, Techno-Park SsangYoung Ill, 36-1 Samjeong-dong, Ohung-gu,  
Bucheon-Si, GYUNGGI-DO, KOREA  
TEL : +82-32-676-0168 , FAX : +82-32-681-7880  
Website: www.goodome.com E-mail: sales@goodome.com

## Unpacking

Below items should be included with the VDM-series of camera.

Please check the items before use.

- 1) VDM-Series of camera
- 2) Three of installation screws
- 3) Connecting cable (Video and Power)
- 4) Owner's Manual



## Precautions

- **Do not install the camera in extreme temperature conditions.**  
Do use the camera under conditions where temperatures are within -10°C ~ +50°C. Especially be careful for ventilation under high temperature.
- **Do not drop the camera or subject them to physical shocks.**  
It can cause malfunctions to occur.
- **Do not install the camera under unstable lighting conditions.**  
Severe lighting change or flicker can cause the camera to work improperly.
- **Do not disassemble the camera.**  
There are no user-serviceable parts inside it.
- **Do not expose the camera to rain or spill beverage on it**  
If it gets, wipe it dry immediately. Liquids can contain minerals that corrode the electric parts.

## Features

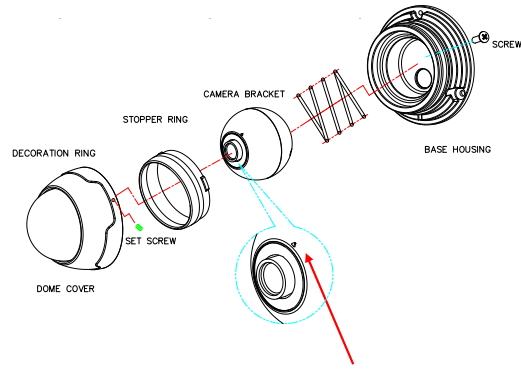
VDM camera series are mini-sized vandal dome cameras adopting Sony 1/3" CCD image sensor.

- ☞ 1/3 inch Sony Super HAD CCD
- ☞ 410K pixels, 550 TV lines, 0.2 Lux low light sensitivity
- ☞ Vandal resistance with polycarbonate dome cover and aluminum body
- ☞ Functions
  - : ATW (Auto Tracking White balance)
  - : BLC on/off
  - : AGC on/off
- ☞ 12Vdc power voltage
- ☞ Easy and quick installation

## Specifications

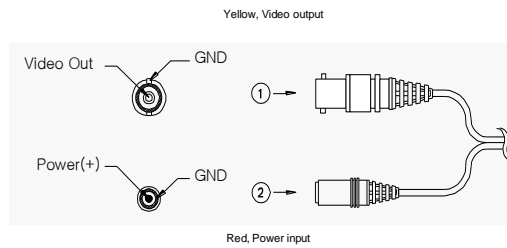
MODEL	NTSC	PAL
Image Sensor	1/3 Inch sony Super HAD CCD	
Effective Pixels (HxV)	410K/380K	470K/440K
Scanning System	2:1 Interlace	
Scanning Frequency	15.734KHz(H), 59.94Hz(V)	15.625KHz(H), 50Hz(V)
Shutter Speed	Auto.	Auto
Sync. System	Internal	
White Balance	Auto	
Video Output	1.0 Vp-p (75 Ohms, Composite)	
H-Resolution	550 TV lines (H)	
S/N Ratio	More than 48dB (AGC off)	
Min. Illumination	0.2 Lux	
Construction	Aluminum housing, polycarbonate dome	
Weight	230g	
Dimensions (mm)	Ø57, 80(W) × 60(H)	
Power	10~14Vdc, less than 150mA	
Operating Temp.	-10°C ~ +50°C	
Operating Humidity	85%RH Max	
Certification	CE, FCC, IP66	

## Installation Of Camera



Make sure that this arrow indicates camera image direction.

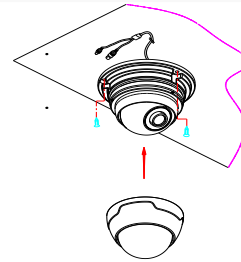
## Power and Video connection



## Installation Of Camera

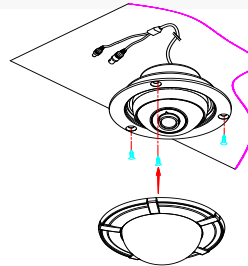
### Surface mount

- ① Fix the BASE HOUSING to the desired place with screws supplied.
- ② Adjust desired scene by turning and moving the CAMERA BRACKET.
- ③ Put the DOME COVER over the BASE HOUSING and turn it clockwise by hand.
- ④ To fix DOME COVER tight, use SET SCREW.

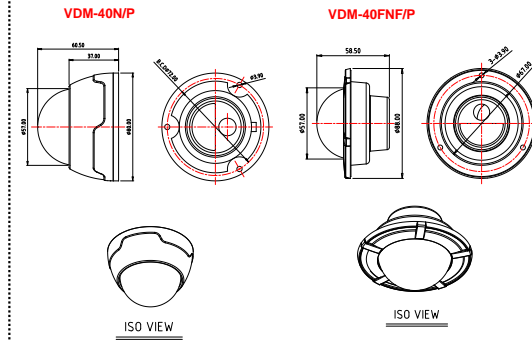


### Flush mount

- ① Use "Ceiling processing sticker" on the desired place to install camera and make a hole on that place.
- ② Place the BASE HOUSING on the hole and fix it with screws supplied.
- ③ Adjust desired scene by turning and moving the CAMERA BRACKET.
- ④ Put the DOME COVER over the BASE HOUSING and turn it clockwise by hand.



## Dimensions (mm)



Design and specifications are subject to change without notice.

## Trouble shootings

Trouble	What to do?
No video on the monitor screen.	- Check camera and monitor power. - Check the power polarity. - Check the video cable connection.
Color rolling	- It happens when the camera is exposed between too strong and too weak light. - It isn't a faulty problem and please change the camera position.
The image on the screen is dimmer.	- Check if the lens is stained. If dirty, clean the lens with soft and clean cloth. - The image is dimmer at night than daytime. If focus is not right, adjust it at daytime.
Black and thick bars roll and too noisy on the screen.	-Check the power adaptor capacity. If the capacity is less than 300mA, please change it to over 300mA. -If there are too noise, check video coaxial cable.

The serial number of this product may be found on the top of the unit. You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_