

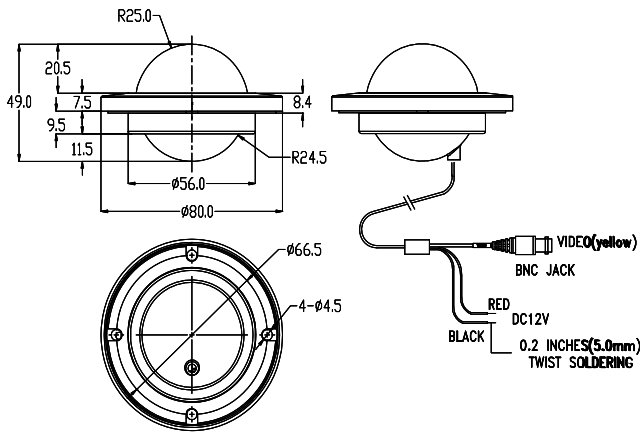
# INSTRUCTION MANUAL

## VDM2 Series

### About this manual

Before installing and using the camera, please read this manual carefully. Be sure to keep it available for later reference. This instruction manual covers installation and use for the models detailed in the specification. Any difference among the models is indicated where necessary.

### Dimensions : mm



## TROUBLESHOOTING

Before sending the camera for repair, check the items below. If the problem persists after checking these items, contact your service centre.

### ■ If no image appears

- Is the coaxial cable attached securely?
- Is the power supply level correct at the camera?
- Is there adequate illumination?

### ■ If the image is unclear

- Is the clear dome dirty?  
Dirt or fingerprints on the clear dome can adversely affect the images.  
Gently wipe any dirt or fingerprints from the clear dome with a soft cloth or lens cleaning paper and cleaning fluid (commercially available).
- Is the monitor adjusted correctly?

**WARNING:**  
TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## PRECAUTIONS

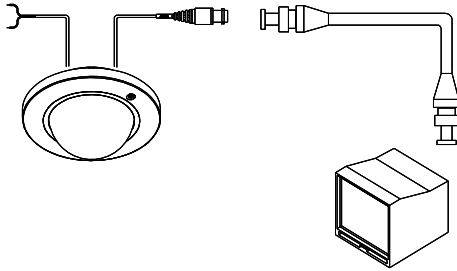
- Do not open or modify  
Do not open the cabinet except during maintenance and installation, as it may be dangerous and cause damages.
- Do not put objects inside the unit  
Make sure that no metal objects or flammable substances get inside the camera. It could cause fire, short-circuits or damages.
- Be careful when handling the unit  
To prevent damage, do not drop the camera or subject it to strong shock or vibration.
- Install away from electric or magnetic fields
- Protect from humidity and dust
- Protect from high temperature  
Be careful when installing close to the ceiling, e.g. in a kitchen or boiler room, as the temperature may raise to high levels.
- Cleaning  
Dirt can be removed from the cabinet only by wiping it with a soft cloth moistened with a soft detergent solution.
- Mounting Surface  
The mounting surface material must be strong enough to secure the camera.

## SPECIFICATION

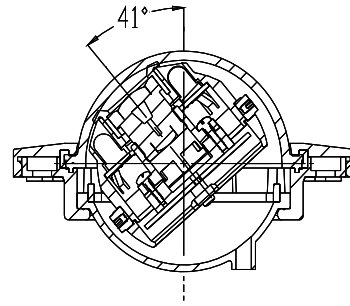
MODEL	VDM2CP12MxxC / VDM2CP12MxxB (STANDARD RESOLUTION)	
General Spec	NTSC	PAL
CCD Type	1/3" 270K Pixels Colour	1/3" 320k Pixels Colour
Total number of pixels	537(H) X 505 (V)	537(H) X 597(V)
Min illumination	0.18Lux (F1.2, 30IRE)	
Resolution	380 TV Lines	
MODEL	VDM2DP12MxxCL / VDM2DP12MxxBL (STANDARD RESOLUTION, IR)	
General Spec	NTSC	PAL
CCD Type	1/3" 270K Pixels Colour	1/3" 320k Pixels Colour
Total number of pixels	537(H) X 505 (V)	537(H) X 597(V)
Min illumination	0Lux (IR-ED ON)	
Resolution	380 TV Lines	
MODEL	VDM2CP12HxxC / VDM2CP12HxxB (HIGH RESOLUTION)	
General Spec	NTSC	PAL
CCD Type	1/3" 410K Pixels Colour	1/3" 470k Pixels Colour
Total number of pixels	811(H) X 508 (V)	795(H) X 596(V)
Min illumination	0.2Lux (F1.2, 30IRE)	
Resolution	520 TV Lines	
MODEL	VDM2DP12HxxCL / VDM2DP12HxxBL (HIGH RESOLUTION, IR)	
General Spec	NTSC	PAL
CCD Type	1/3" 410K Pixels Colour	1/3" 470k Pixels Colour
Total number of pixels	811(H) X 508 (V)	795(H) X 596(V)
Min illumination	0Lux (IR-LED ON)	
Resolution	520 TV Lines	
COMMON		
General Spec	NTSC	PAL
Shutter speed	1/60s - 1/100,000s	1/50s - 1/100,000s
S/N Ratio	48dB or more(AGC off)	
Gamma	0.45	
Sync System	Internal	
ELECTRIC SPEC		
Voltage	12VDC (8.0VDC ~ 18.0VDC)	
Power Consumption	Max 2.0 [W] or Less	
Mechanical Spec		
Operation temp	-10°C ~ +55°C	
In storage temp	-20°C ~ +70°C	
Operation humidity	Under 90% (Non-condensing)	

# CONNECTIONS AND CAMERA SETTINGS

## ■ CONNECTIONS



## ■ LENS ADJUSTMENTS



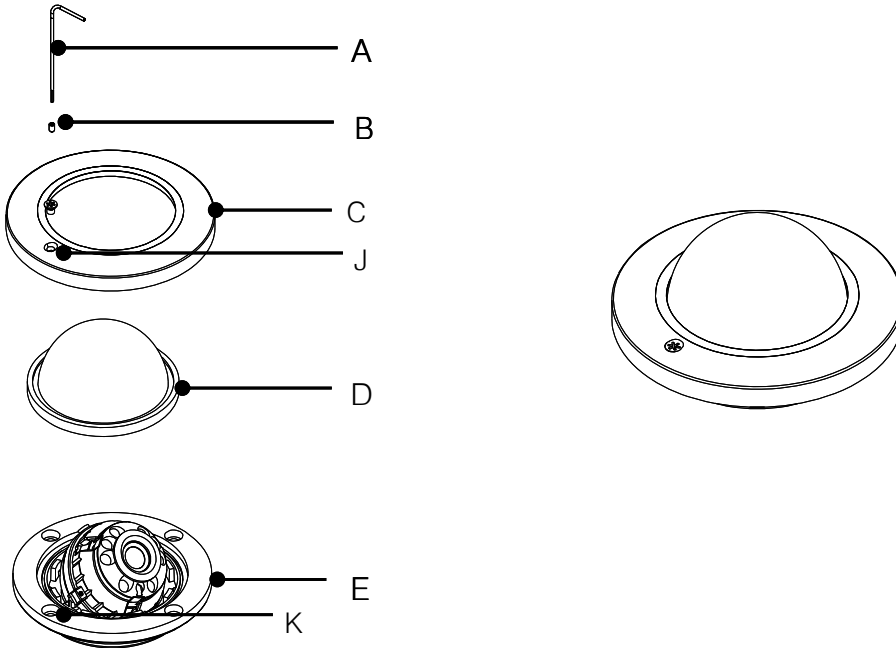
### CAUTION

Check for correct polarity when using a DC 12V power supply.

Adjust the pan(360°) and tilt(41°) position.

## ■ CAMERA SETTINGS

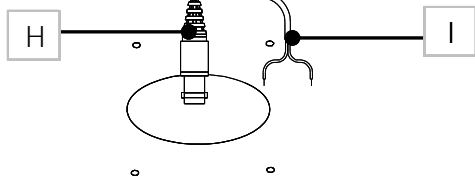
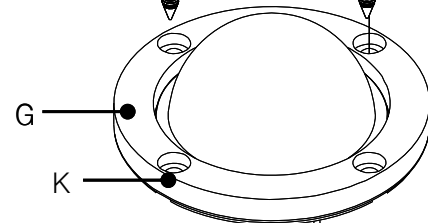
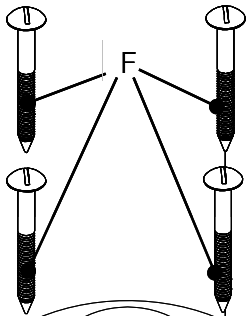
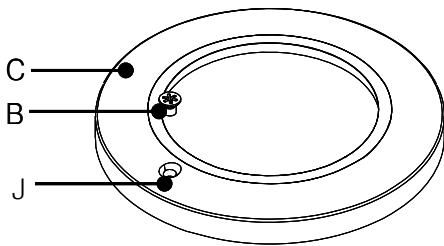
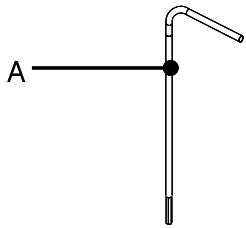
(Upper Case & Bottom Case)



### Camera Position Adjustment :

- (1) Remove screw using L-Wrench (A).
- (2) Separate UPPER CASE(C) from BOTTOM CASE (E).
- (3) Separate CLEAR DOME(D) from BOTTOM CASE (E).
- (4) Adjust the camera which is inside the BOTTOM CASE (E).
- (5) Assemble CLEAR DOME(D) and UPPER CASE(C) to the BOTTOM CASE(E).
- (6) Tighten securely and align stop screw hole (J) with one of the mounting holes (K)
- (7) Tighten the screw(B) using L-Wrench(A).

# INSTALLATION



- 1 Removing 1 Stop Screw(B) on Upper case(C) by using L-wrench (A).
- 2 Separate UPPER CASE(C) from BOTTOM CASE(G).
- 3 Make the hole onto the ceiling/wall after UPPER CASE(C) is separated from BOTTOM CASE(G).
- 4 Put Power cable(I) and Video cable(H) into the ceiling/wall.
- 5 Fix BOTTOM CASE(G) by using the screw(F).
- 6 Camera Adjustment and Setting.  
(Reference - "CAMERA SETTING" )
- 7 Connect UPPER CASE(C) and BOTTOM CASE(G),  
Tighten securely and align stop screw hole (J) with one of the of the mounting holes (K)
- 8 Tightening Stop Screw(B) on the Upper Case(C) with using L-wrench.

