

VIDEOLOGY

IMAGING SOLUTIONS INC.

Original Equipment Manufacturer

Instruction Manual

4" Vandal Resistant
TotalFocus™ Dome Cameras



Information may change without notice.

This document provides technical information for the user. Videology reserves the right to modify the information in this document as necessary. The customer should make sure that they have the most recent manual version. Videology holds no responsibility for any errors that may appear in this document.

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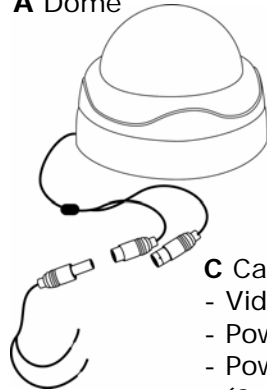
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Box Contents

A Dome



B 2 Screws



D 1 Allen Head Key

C Cables

- Video (BNC)
- Power (2.1mm male power)
- Power adapter (optional) (2.1mm female to flying leads)

Warning

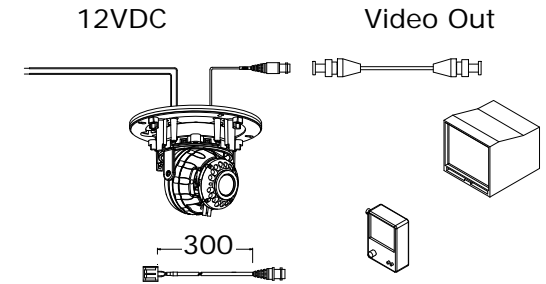
To reduce the risk of fire or electric shock, do not expose this appliance to rain, water or wet locations.

Precautions

- 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, 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.

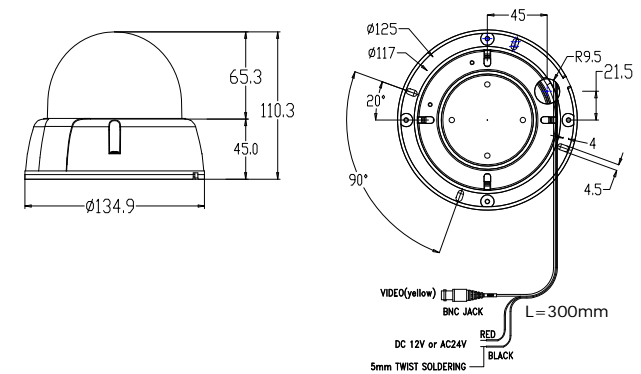
Connectors and Dimensions

Connections



CAUTION: Check for proper polarity when using a 12VDC power supply.

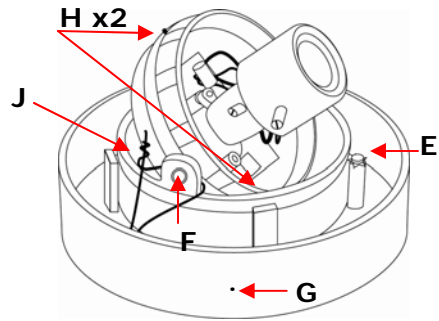
Dimensions (mm)



4" Dome Installation Instructions

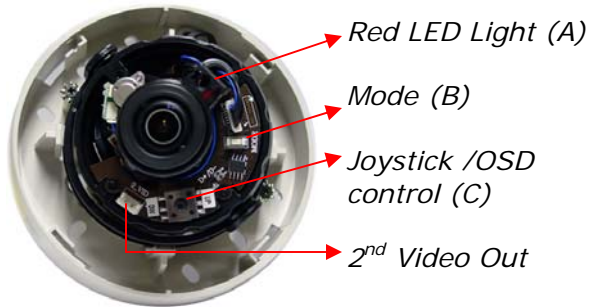
1. Using a Phillips or Torx head screwdriver, remove the **locking screw (G)** from the dome. Unlock the outer ring and dome bubble and remove.
2. Remove the 2 **twist ties (J)** used to protect the dome during shipping.
3. Connect the dome's **BNC cable (C)** and power to the video cable and power supply. (Not Supplied)
4. Using the provided **screws (B)**, attach the dome either directly to a wall or ceiling or to a 4" round electrical junction box. Secure the dome to wall or ceiling.

Mounting



1. Loosen the **horizontal locking screw (E)** and pan the dome to the desired position.
2. Loosen the **vertical locking screw (F)** and tilt the dome to the desired target area.
3. If mounting on a wall, use the provided **allen key (D)** loosen the **allen screw (H)** that restricts the gimbaled third axis. Rotate the camera ring to orient the picture horizontally. Tighten the allen screw.
4. Replace the dome bubble and locking ring. Insert Phillips or Torx head screw and lock.

TotalFocus™ Lens Operation



Step 1 Push/hold the Mode button **(B)** down for about 2-3 seconds. This will activate the Lens mode.

Note: With the IR remote option, a red LED light **(A)** will come on after holding the mode button down for 2-3 seconds.

Step 2 Push joystick control up or down to zoom in/out.





Note: Lens will stay in focus all the time (through zoom range).






OSD Menu Control

Step 1 Push/hold down the joystick control **(C)** in the center position for 2-3 seconds. The LED light **(A)** will flicker three times.

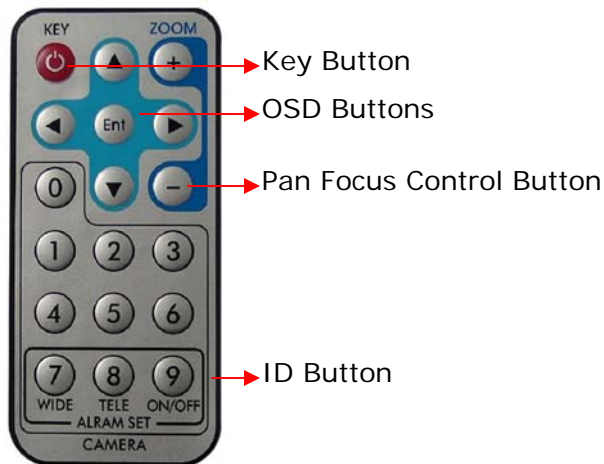
Note: OSD can be accessed in Lens Mode, but the lens will zoom with UP or Down joystick motion.

Step 2 If you press **(B)** again for two seconds, the LED around the lens flickers three times. At this time, the **(C)** function switches from zooming control key to OSD control key.

1. EXPOSURE		
	LENS	MANUAL/DC
	E. SHUTTER	AUTO~1/100000
	BLC	
	AGC	OFF~36dB
2. COLOR		
	WB MODE	AWC
		ATW
		MANUAL
		PUSH LOCK
3. DAY&NIGHT		
	D&N MODE	AUTO
		COLOR
		B/W
4. FUNCTION		
	MIRROR	
	SHARPNESS	
	GAMMA	
	SLC	
	HME	
	DRC	

5. MOTION		
	ALARM	
6. PRIVACY		
	MASK 1	
	MASK 2	
	MASK 3	
	MASK 4	
	COLOR SET	
7. SYNC		
	SYNC MODE	
	INTERNAL	
	LINE LOCK	
8. SETUP		
	CAMERA ID	
	TITLE EDIT	
	TITLE RESET	
	TITLE POSITION	
	DPC SET	
	LANGUAGE	ENG/CHA
	PC CONT.	
9. EXIT		
	EXIT	SAVE & EXIT
		FACTORY SET

Optional Remote Control



Functional control of "REMOTE CONTROL"

1. Set the camera ID in OSD menu. (The default setting is "001")
NOTE : If the camera ID is modified, the new camera ID must be set and power on / off. Then the camera is able to recognize the new ID.
2. Press the "KEY" and the camera turns into the standby image. The LED flickers for 20 seconds.
3. Input ID number of CAMERA to Remote Controller ID number. When the ID number between the camera and the remote controller, LED light is turned on and the remote controller is ready to set the camera.
NOTE : The ID number must be 3-digit.
4. "ZOOM+", "ZOOM-" key
These are for control of lens zooming in and out and selecting the zooming area of Alarm function.
5. Select the desired area that you can observe the movement of objects.
6. And then select the zooming range by pressing "7" wide key.

7. Please save alarm generating zooming range by "8" tele key.
8. If ALARM generating zoom range is smaller than ALARM standby range, ALARM Zoom range setting will not be saved.
9. If select "9" ON/OFF key, product operates automatically from tele to wide 1 time. And then the alarm function starts.
10. Please press the "9" key for canceling the alarm function or to reselect the alarm zooming area.

Troubleshooting

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

If no image appears:

- Is the coaxial cable attached securely?
- Are the power and voltage correct?
- Has the iris of the lens inside the camera been adjusted correctly (with the level volume)?
- Is there adequate illumination?

If the image is unclear:

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

Specifications

Electrical	NTSC	PAL
Sensor Type	1/3" CMOS	
Total Pixels (H x V)	811 X 508	795 X 596
Min Illumination	0.1 Lux (F1.2, 30IRE), (COLOR) 0.001 Lux (F1.2, 30IRE), at TDN (B/W)	
Resolution	520 TV Lines at Color 580 TV Lines at TDN (B/W)	
Voltage	DC 12V (10V ~ 16V) AC 24V (20V ~ 28V)	
Power Consumption	LED ON = DC: Max 5 [W] AC : Max 4.6 [W]	
Shutter Speed	1/60s - 1/100,000s	1/50s - 1/100,000s
S/N Ratio	50dB or more (AGC off)	
Gamma	0.45	
Sync System	Internal / External	

Environmental

Operation Temp	10°C ~ +55°C
Storage Temp	20°C ~ +70°C
Operation Humidity	Under 90% (Non-condensing)

Mechanical

Dimensions	(H x D) 110.3 x Ø 134.9
Weight	0.80 lbs

*TotalFocus™ Lens**

Lens	2.9 – 8.5mm TotalFocus™
Iris	Auto (f1.9 – 360)
Focus	Fixed – All in focus (near – far)
Zoom	3x optical motorized / 10x digital
Lens Mount	M-16 Board Mount