

HD-SDI Indoor Dome Camera

DWC-HD321M4TIR



ABOUT MANUAL

Before installing and using the camera, please read this manual carefully.
Be sure to keep it handy for future reference.

PRECAUTIONS

- Do not open or modify.
- Do not open the case except during maintenance and installation, for it may be dangerous and can cause damages
- Do not put objects into the unit.
- Keep metal objects and flammable substances from entering the camera.
It can cause fire, short-circuits, or other damages.
- Be careful when handling the unit.
- To prevent damage, do not drop the camera or subject it to shock or vibration.
- Do not install near electric or magnetic fields.
- Protect from humidity and dust.
- Protect from high temperature.
- Be careful when installing near the ceiling of a kitchen or a boiler room, as the temperature may rise to high levels.
- Cleaning:
To remove dirt from the case, moisten a soft cloth with a soft detergent solution and wipe.
- Mounting Surface:
The material of the mounting surface must be strong enough to support the camera.

FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference, when the equipment is operated in a residential environment. This equipment generates, uses, and radiates radio frequency energy; and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications.

WARNING: Changes or modifications are not expressly approved by the manufacturer.

TABLE OF CONTENTS

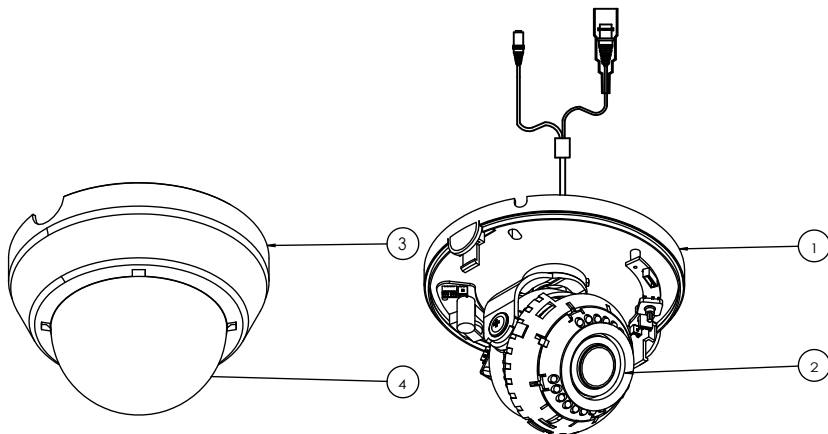
Introduction	Features	4
	Parts and Descriptions	5
	Dimensions	6
Installation	Inside the Box	7
	Easy Installation	8
	Connecting to Monitors	9
	Adjusting the Camera Gimbal	10
Troubleshooting		11
Warranty Information		12-13
Specifications		14

FEATURES*

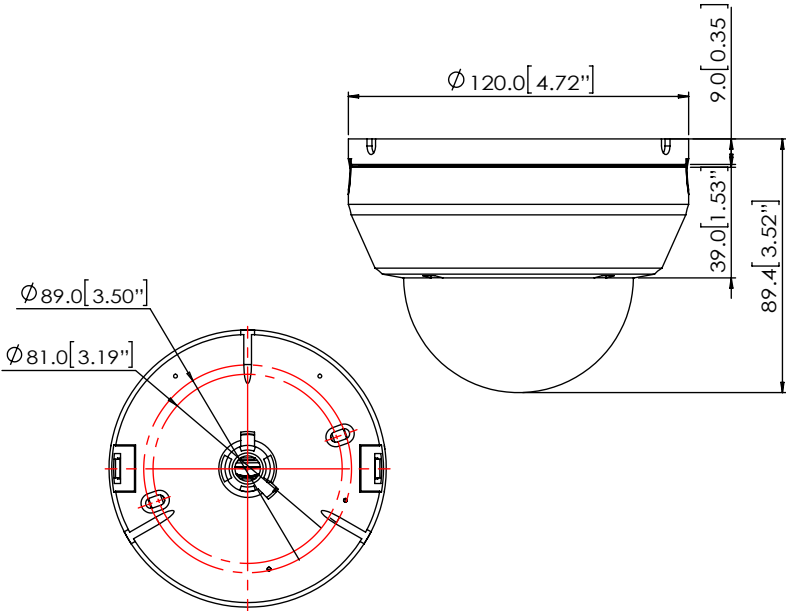
- 1/2.8" CMOS Sensor
- Highest Resolution 2.1 Megapixels (HD-SDI)
- 4.0mm Fixed Lens
- 12x Digital Zoom
- 50ft Range IR with Intelligent Camera Sync
- TDN (True Day and Night/IR Cut Filter)
- WDR (Wide Dynamic Range)
- 3D-DNR (3D Digital Noise Reduction)

PARTS & DESCRIPTION*

- ❶ Bottom Case
- ❷ Camera Gimbal
- ❸ Upper Case
- ❹ Dome Cover



DIMENSIONS IN MILLIMETERS (IN)*



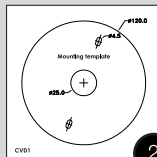
INSIDE THE BOX*

Included with your indoor dome camera

- ① User Manual
- ② Mounting Template
- ③ 2 Machine Screws and 2 Dry Wall Anchors
- ④ Secondary Video-BNC Cable



1



2

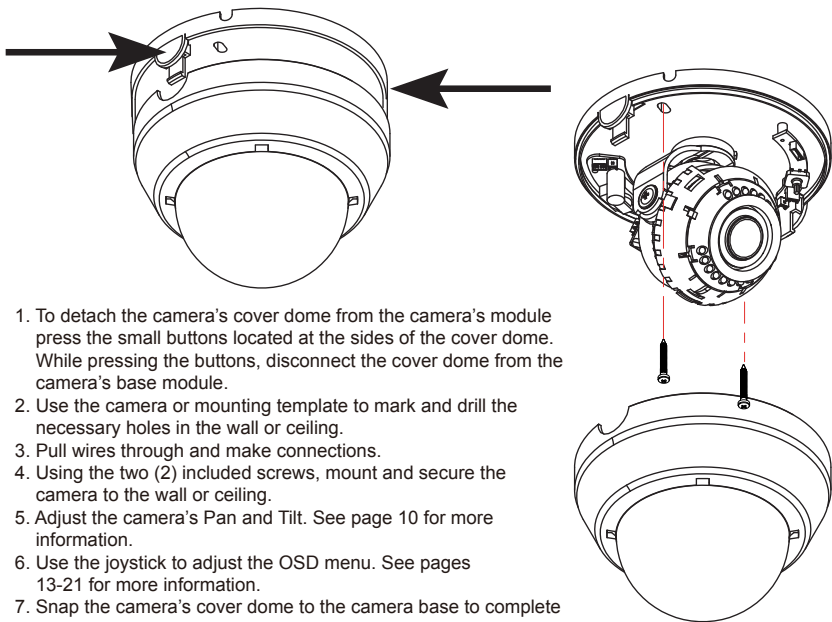


3



4

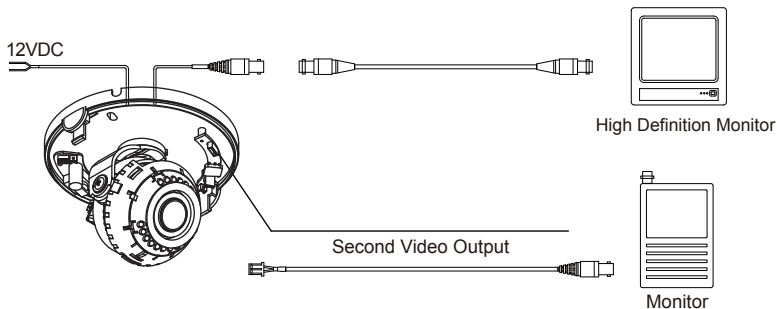
EASY INSTALLATION*



1. To detach the camera's cover dome from the camera's module press the small buttons located at the sides of the cover dome. While pressing the buttons, disconnect the cover dome from the camera's base module.
2. Use the camera or mounting template to mark and drill the necessary holes in the wall or ceiling.
3. Pull wires through and make connections.
4. Using the two (2) included screws, mount and secure the camera to the wall or ceiling.
5. Adjust the camera's Pan and Tilt. See page 10 for more information.
6. Use the joystick to adjust the OSD menu. See pages 13-21 for more information.
7. Snap the camera's cover dome to the camera base to complete the installation.

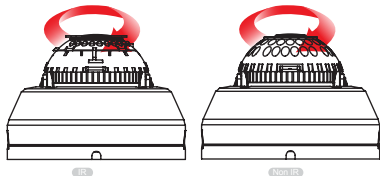
CONNECTING TO MONITORS*

Use the diagram below to connect to a Monitor or CRT Monitor properly.

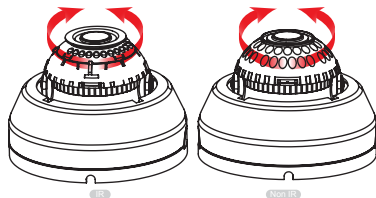


- Power Connection - 12VDC.
- All cameras are equipped with a second video output for on-site configuration.

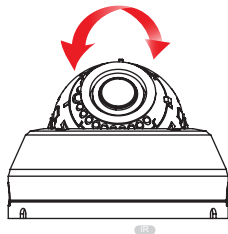
ADJUSTING THE CAMERA GIMBAL*



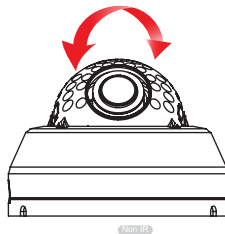
1 Rotation 360°



2 Panning 360°



3 Tilting 55° IR LED



3 Tilting 65°

TROUBLESHOOTING

Before sending your camera for repair, check the following or contact our technical specialist.

FOR NO VIDEO

Check the coaxial cable and make sure it is connected securely.

Check the lens' iris adjustment at the camera's OSD menu.

Check the power supply and make sure the camera has the proper voltage and current.

FOR OUT-OF-FOCUS VIDEO

Check the clear dome cover and the lens for dirt or fingerprints. Use a soft cloth and gently clean. Check the lens' manual focal and zoom adjustment. The use of a field test monitor is recommended.

WARRANTY INFORMATION*

Digital Watchdog (referred to as “the Warrantor”) warrants the Digital Watchdog Camera against defects in materials or workmanship as follows:

LABOR: For the initial two (2) years and one (1) year on IR LED from the original purchase date, if the camera is determined to be defective, the Warrantor will repair or replace the unit with a new or refurbished product at its option at no charge.

PARTS: In addition, the Warrantor will supply replacement parts for the initial two (2) years and one (1) year on IR LED.

To obtain warranty or out of warranty service, please contact a Technical Support Representative at **1-866-446-3595** Monday through Friday from 9:00AM to 8:00PM Eastern Standard Time.

A purchase receipt or other proof of the original purchase date is required before warranty service is rendered. This warranty only covers failures due to defects in materials and workmanship which arise during normal use. This warranty does not cover damage which occurs in shipment or failures which are caused by products not supplied by the Warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, rental use of the product or service by anyone other than an authorized repair facility or damage that is attributable to acts of God.

LIMITS & EXCLUSIONS*

There are no express warranties except as listed. The warrantor will not be liable for incidental or consequential damages (including damage to recording media without limitation) resulting from the use of these products or arising out of any breach of the warranty. All express and implied warranties, including the warranties of merchantability and fitness for particular purpose, are limited to the applicable warranty period set forth above.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions or limitations listed above may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state-to-state.

If the problem is not handled to your satisfaction, then write to the following address:

Digital Watchdog, Inc.
ATTN: RMA Department
5436 W. Crenshaw Street
Tampa, FL 33634

Service calls which do not involve defective materials or workmanship as determined by the Warrantor, in its sole discretion, are not covered. Costs of such service calls are the responsibility of the purchaser.

SPECIFICATIONS*

VIDEO	
Image Sensor	1/2.8" CMOS Sensor
Total Pixels	2000 (H) x 1241 (V)
Synchronization	Internal
Resolution	2.1 Megapixels (1920 x 1080) at 30fps
Minimum Illumination	0.0 Lux (IR On)
S/N Ratio	50dB (AGC off)
Video Output	HD-SDI
LENS	
Focal Length	4.0mm
Lens Type	Fixed Lens
IR Distance	50ft Range IR
ENVIRONMENTAL	
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	Less than 90% (Non-Condensing)
ELECTRICAL	
Power Requirement	DC12V
Power Consumption	LED Off: 2.0W, 166.7mA / LED ON: 2.7W, 225mA
MECHANICAL	
Housing Material	Plastic
Dimensions	120 x 89.4 mm (4.72 X 3.52 in)
Weight	0.5 lbs

*Specification is subject to change without prior notice.

MEMO*



Everything's Digital

5436 W Crenshaw St. Tampa, FL 33634

Tel : 866-446-3595 / 813-888-9555

Fax : 813-888-9262

www.Digital-Watchdog.com

technicalsupport@dwcc.tv

Technical Support Hours : Monday-Friday

9:00am to 8:00pm EST