

High Resolution Box Camera

DWC-C232D

DWC-C232T



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 damages, 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 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.

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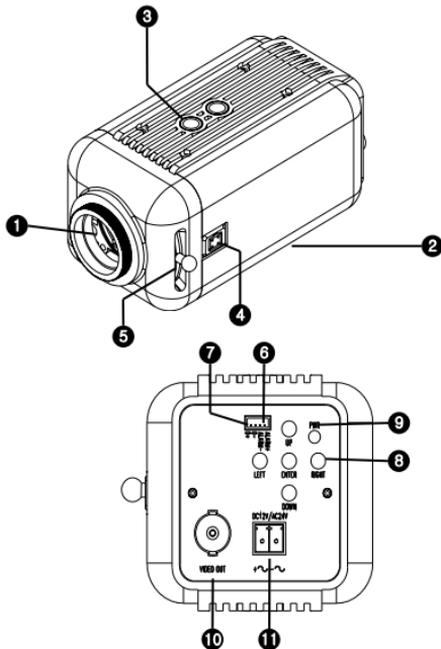
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FEATURES*

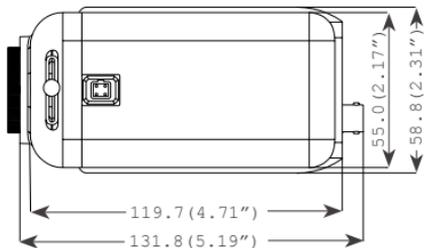
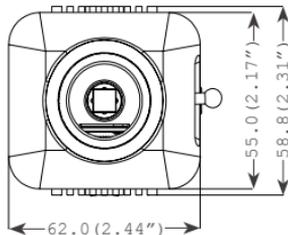
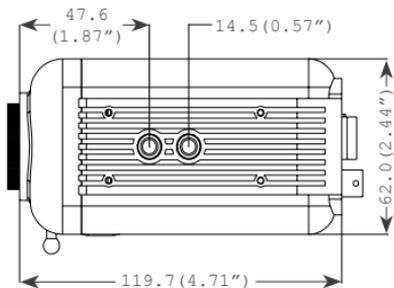
- 1/3" Sony Super HAD CCD II
- 570 TV Lines (B&W), 540 TV Lines (Color)
- Electronic Day and Night [**DWC-C232D Only**]
- TDN (True Day and Night/ TDN5) [**DWC-C232T Only**]
- Ultra Low Light Sensitivity
- BLC (Backlight Compensation)
- HME (Highlight Masking Exposure)
- Programmable Privacy Zones (4) & Motion Detection
- Easy Icon Driven OSD Menu with Built-In Joystick
- Auto Sensing 12VDC or 24VAC with Line Lock
- RS-485 Built-in
- Compatible with C or CS Mount Lens (Not Included)

PARTS & DESCRIPTION*

- ① Lens Connector
- ② Box Camera
- ③ Mounting Bracket Connectors
- ④ A-Iris Socket
- ⑤ Back Focus
- ⑥ Alarm +/-
- ⑦ RS485 Connector
- ⑧ OSD Control Arrows and Enter Buttons
- ⑨ Power LED
- ⑩ BNC Video Output
- ⑪ AC / DC Power Input Terminal Block



DIMENSIONS IN MILLIMETERS (IN)*



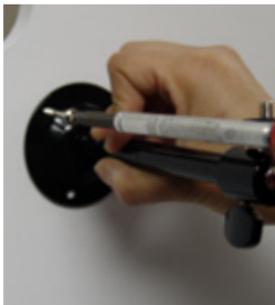
INSIDE THE BOX*

Included with C2 Box Camera

- ❶ Color Box
- ❷ User Manual
- ❸ Mini-DIN Connector (For Video or DC Auto Iris Lens)
- ❹ Adapter Ring for "C" Type Lenses
- ❺ Two-Port Terminal Block (for AC or DC Power Connection)
- ❻ Cable Extension for Alarm In / Out and RS-485

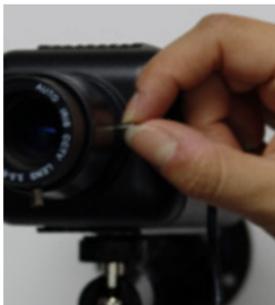


INSTALLATION*



- 1 Using an appropriate mounting bracket, mark and drill the necessary holes to mount the bracket to a wall or ceiling.
- 2 Attach the mounting bracket to the surface using machine screws.
- 3 Attach the box camera to the mounting bracket.
- 4 Adjust the camera's position. Consult the manual of the mounting bracket for additional information.

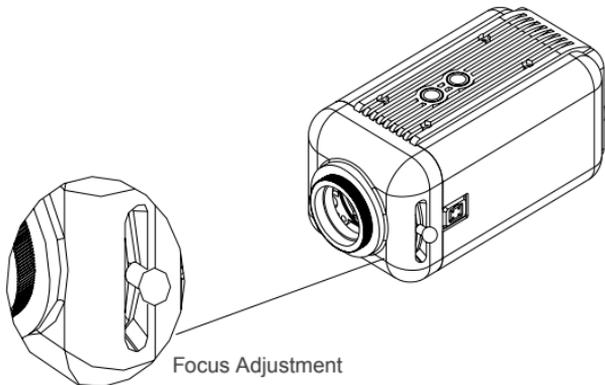
INSTALLATION*



- 5** Connect an appropriate lens to the camera lens connector by twisting the lens clockwise. The camera is compatible with any C or CS mount lens. For "C" lenses, please use the provided Adapter Ring. See page 10 for details. **Lens is not included.*
- 6** Connect the lens' cable to the box's A-Iris Socket.
- 7** Adjust the lens' zoom and focus accordingly. Consult the manual of the lens for additional information.

ADJUSTMENT OF BACK FOCUS*

- 1 Please make sure the lens is C or CS Mount.
To use C Mount lens, please insert the included C ring to the lens; then insert the lens.
To use CS Mount lens, fix the lens directly into the front camera without the C ring.



- 2 To adjust the focus, slide the focus lever on the side of the front camera.
- 3 Please tighten the focus lever after the adjustment in order to prevent being out of focus.

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 five (5) 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 five (5) 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 8:30AM 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*

DWC-C232D/ DWC-C232T	
VIDEO	
Image Sensor	1/3" Sony Super HAD CCD II
Total Pixels	811 (H) x 508 (V), 411K Pixels
Effective Pixels	768 (H) x 494 (V)
Frequency	15.734KHz (H), 59.95Hz (V)
Synchronization	Internal or Line Lock
Horizontal Resolution	570 TV Lines [B&W], 540 TV Lines [Color]
Minimum Illumination	F1.2 (30IRE): 0.01 Lux [Color] F1.2 (30IRE): 0.00 Lux [B&W]
S/N Ratio	50dB (AGC off)
Video Output	CVBS: 1.0Vp-p / 75 Ω
OPERATIONAL	
Day & Night	Electronic Day and Night [DWC-C232D] TDN (True Day and Night/ TDN5) [DWC-C232T]
Back Light Compensation	OFF / BLC / HME / WDR
Auto Gain Control	OFF / LOW / MID / HIGH / HIGHEST
Privacy Zones	OFF / ON (4 Programmable Zones)
Language	ENGLISH / CHINESE

ENVIRONMENTAL

Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Operating Humidity	Less than 90% (Non-Condensing)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)

ELECTRICAL

Power Requirement	Dual (12VDC & 24VAC)
Power Consumption	12VDC: 1.8W, 150mA 24VAC: 2.4W, 100mA

MECHANICAL

Housing Material	Aluminum
Dome Cover Material	Polycarbonate
Dimensions	62.0 x 58.8 x 131.8 mm (2.44 x 2.31 x 5.19 in)
Weight	0.6lbs

*Specification is subject to change without prior notice.



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
8:30am to 8:00pm EST