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› Evertech 1080p HD Dome Security Camera User Manual

Evertech SCFWS372V13001

Evertech 1080p HD Dome Security Camera User Manual

Model: SCFWS372V13001

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Evertech 1080p HD Dome Security Camera. This camera is designed for both indoor and outdoor surveillance, featuring 1080p high-definition video, 98ft night vision, and compatibility with AHD, TVI, CVI, and traditional Analog Digital Video Recorders (DVRs). Please read this manual thoroughly before installation and use to ensure proper functionality and longevity of your device.

WHAT'S INCLUDED

Carefully unpack the box and ensure all items listed below are present and in good condition. If any items are missing or damaged, please contact Evertech support.

- 1x Evertech 1080p HD Dome Security Camera (2.8-12mm Manual Zoom Lens)
- 1x Technical Specification Sheet
- 4x Mounting Screws
- 4x Plastic Wall Anchors
- 1x L-Key (for adjustments)
- 1x CCTV Warning Sign

What's Included...

1 pc. 1/2.7" Cmos Sensor, **Night Vision**,
1080p HD **TVI**, **AHD**, **CVI** and Traditional **Analog**
2.8-12mm Adjustable Manual Zoom
Outdoor Indoor Security Dome Camera

- * 1 pc. Technical Spec.
- * 4 pcs. Screws
- * 4 pcs. Plastic wall anchors
- * 1 pc L-Key

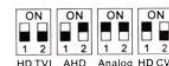


Figure 1: Contents of the Evertech 1080p HD Dome Security Camera package.

SPECIFICATIONS

The following table outlines the key technical specifications of the Evertech 1080p HD Dome Security Camera:

Feature	Specification
Model Number	SCFWS372V13001
Effective Pixels	1920 x 1080 (1080p HD)
Image Sensor	1/2.7" CMOS Sensor
Lens	2.8mm - 12mm Manual Zoom Varifocal Lens
Night Vision Range	Up to 98 feet (with SMT IR LEDs)
Video Output Modes	AHD, HD TVI, HD CVI, Traditional Analog (CVBS)
Default Video Mode	1080p AHD
Casing Material	Waterproof White Metal
Mounting Type	Wall or Ceiling Mount
Power Source	Corded Electric (12V DC)
Connectivity Technology	Wired

Feature	Specification
International Protection Rating	IP54
UPC	632317010337



Figure 2: Detailed view of camera features and specifications.

SETUP

1. Mounting the Camera

The Evertech dome camera can be mounted on either a wall or a ceiling. Choose a location that provides the desired field of view and is within reach of power and video cables.

- 1. Mark Drilling Points:** Use the camera base as a template to mark the positions for drilling holes.
- 2. Drill Holes:** Drill pilot holes at the marked positions. For drywall or masonry, insert the plastic wall anchors.
- 3. Secure Camera:** Align the camera base with the drilled holes and secure it using the provided mounting screws. Ensure the camera is firmly attached.



Figure 3: Examples of wall and ceiling mounting options.

2. Wiring Connections

Connect the camera to your Digital Video Recorder (DVR) and power supply.

- **Video Cable:** Connect the BNC connector of the camera's video cable to an available video input on your DVR.
- **Power Cable:** Connect the camera's power input to a 12V DC power adapter (not included). Ensure the power supply is compatible with the camera's requirements.

3. Video Mode Configuration (DIP Switches)

The camera's default video mode is 1080p AHD. If your DVR uses a different format (HD TVI, HD CVI, or Analog), you must adjust the DIP switches located on the camera's cable. Refer to the diagram below for the correct settings.

Easy to Change the Video Mode Using DIP Switch

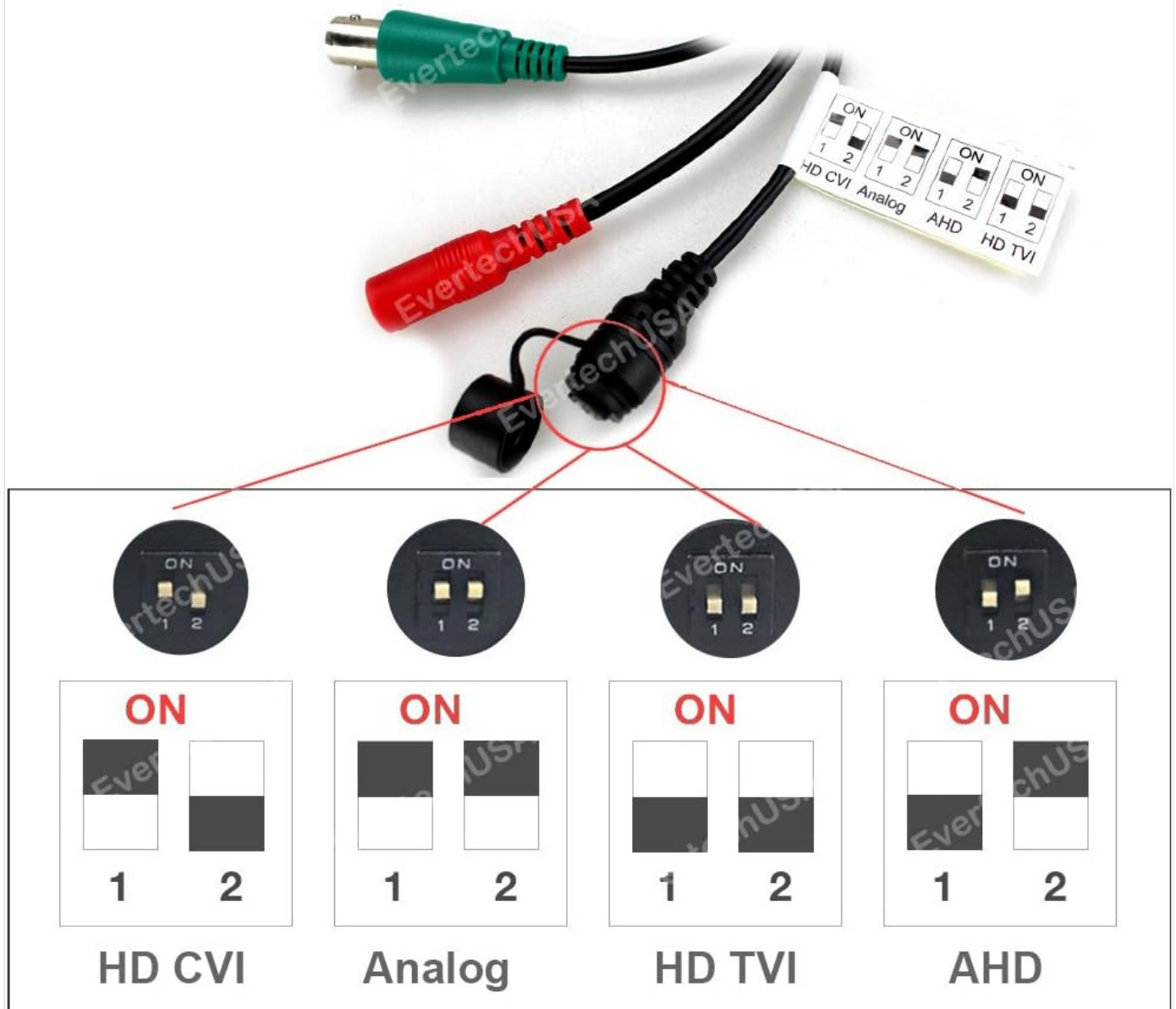


Figure 4: DIP switch settings for different video modes.

To change the video mode:

1. Locate the small DIP switch module on the camera's cable.
2. Using a small tool (like a pen tip or the provided L-key), adjust the switches according to the desired video format as shown in Figure 4.
3. After adjusting, power cycle the camera for the new settings to take effect.

OPERATING THE CAMERA

1. Adjusting Lens (Zoom and Focus)

This camera features a 2.8mm to 12mm varifocal lens, allowing you to manually adjust the angle of view and focus for optimal surveillance.

1. **Access Adjustment Screws:** Gently rotate the outer dome or access the adjustment screws on the camera body.
2. **Adjust Zoom:** Rotate the 'ZOOM' adjustment screw to change the focal length (angle of view) from wide (2.8mm) to narrow (12mm).

3. **Adjust Focus:** Once the desired zoom level is set, rotate the 'FOCUS' adjustment screw until the image on your monitor is clear and sharp.
4. **Secure Adjustments:** Ensure all screws are tightened after adjustment to prevent accidental changes.

VARIFOCAL CAMERA ADVANTAGE

A varifocal camera is one of the best options to consider if you're planning a video security system. They give a lot of "bang for the buck", and make your images more useful....

- With a varifocal lens camera, the image can be adjusted to bracket the specific area of concern, such as a doorway, safe, or jewelry case. This can be done even if the camera is located across a large room or at a distance, making the recorded video much better..
- The camera with A fixed lens doesn't let you adjust the focal length, angle of view, and level of zoom. Almost all fixed lens cameras have a wide angle.
- A varifocal camera allows you to adjust between its top and bottom limits on its view angle. This means that you have the ability to manually set both the view angle and level of zoom. Have a scenario where you need to zoom in on a gate or other access point? Use the 12mm setting (12 degrees and about 4x zoom). Need a wide angle view? Go with 2.8 mm (109 degrees). Need something in between? Try 6mm (~45 degrees) or 9mm (~30 degrees).
 - When you only have the budget to have have one camera in a room, only need one, and the room has 90 degree walls..
 - When you are have a gate, door, or other known entrance point but can't mount a camera very close.
 - When it is imperative that you get a close shot to identify a person or vehicle and have a good idea where they are going to be.
 - Anytime you want to identify someone more than 50 ft away.



Pictures taken by the same camera with different angle of the same Varifocal lens...
The pictures for example only 2.8mm - 12mm Varifocal Lens



Figure 5: Visual representation of different focal lengths.

2. Night Vision

The camera is equipped with SMT IR LEDs, providing automatic night vision up to 98 feet in low-light or no-light conditions. The camera will automatically switch between day (color) and night (black and white) modes based on ambient light levels.

MAINTENANCE

Regular maintenance helps ensure optimal performance and extends the lifespan of your security camera.

- **Lens Cleaning:** Periodically clean the camera lens with a soft, lint-free cloth. For stubborn dirt, use a mild lens cleaning solution. Avoid abrasive materials that could scratch the lens.
- **Casing Cleaning:** Wipe the camera's metal casing with a damp cloth to remove dust and dirt.
- **Cable Inspection:** Regularly check all cables and connections for any signs of wear, damage, or corrosion. Ensure connections are secure.
- **Environmental Check:** Ensure the camera's mounting remains secure and that no obstructions are blocking its field of view.

TROUBLESHOOTING

If you encounter issues with your Evertech security camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video signal	Loose cable connection, incorrect video mode, no power.	Check all video and power cable connections. Verify the camera's video mode (AHD, TVI, CVI, Analog) matches your DVR's input using the DIP switches. Ensure the power adapter is functioning and connected.
Poor image quality (blurry, distorted)	Lens out of focus, dirty lens, incorrect video mode, cable interference.	Adjust the focus of the lens. Clean the camera lens. Confirm the video mode is correctly set for your DVR. Use high-quality coaxial cables and avoid running them near strong electrical interference.
Night vision not working	Insufficient power, IR LEDs malfunction.	Ensure the camera is receiving adequate power. If the issue persists, contact Evertech support.
Image is black and white during the day	Insufficient light, camera stuck in night mode.	Ensure the camera is not in a perpetually shaded area. Power cycle the camera. If the problem continues, contact support.

WARRANTY AND SUPPORT

Your Evertech 1080p HD Dome Security Camera comes with a **One Year Warranty** from EvertechUSA, covering defects in materials and workmanship under normal use.

For technical assistance, warranty claims, or further inquiries, please visit the official Evertech store or contact their customer support directly.

Evertech Store: <https://www.amazon.com/stores/EVERTECH/page/B071A34F-C422-49CE-BAF1-CA8454821825>



Figure 6: Example of the included CCTV Warning Sign.

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Model number, symptoms, what you tried, or the section of the manual you are using.

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