

[Manuals.plus](#) /

› [ANNKE](#) /

› ANNKE 1080p HD-TVI Security Surveillance Camera User Manual

ANNKE AN-C51BH0103-01

ANNKE 1080p HD-TVI Security Surveillance Camera User Manual

Model: AN-C51BH0103-01 | Brand: ANNKE

PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your ANNKE 1080p HD-TVI Security Surveillance Camera. Designed for robust outdoor use, this 2MP bullet camera offers crystal clear 1080p HD video, advanced night vision, and durable IP66 weatherproof construction, ensuring reliable surveillance for your home or business.



Image: Front view of the ANNKE 1080p HD-TVI Security Surveillance Camera, showcasing its black bullet design and lens.

PACKAGE CONTENTS

The package includes the following items:



Image: Diagram showing the contents of the product box, including the camera, wall sticker, user manual, and mounting screws.

- 1 x ANNKE 1080p HD-TVI Security Surveillance Camera
- 1 x Wall Sticker
- 1 x User Manual
- Mounting Screws and Wall Plugs

TECHNICAL SPECIFICATIONS

Feature	Detail
Indoor/Outdoor Usage	Outdoor
Compatible Devices	Smartphone
Power Source	Corded Electric
Connectivity Protocol	BNC cable
Mounting Type	Wall Mount
Video Capture Resolution	1080p
Color	Black
Number of Items	1
Number of Channels	1
Wireless Communication Technology	Wired
Form Factor	Bullet
Night Vision Range	100 Feet
Upper Temperature Rating	60 Degrees Celsius
Frame Rate	30 fps
Voltage	12 Volts
Wattage	12 watts
Item dimensions L x W x H	7 x 3 x 3 inches
Batteries Required?	No
Item Weight	0.42 Pounds (6.7 ounces)
Low light technology	Night Color
Alert Type	Motion Only
Room Type	Office
Light Source Type	Infrared
Video Capture Format	TVI
Unit Count	1 Count
Photo Sensor Technology	CMOS
International Protection Rating	IP66
Maximum Webcam Image Resolution	2 MP
UPC	744750389199
ASIN	B01FCT97HK

Feature	Detail
Item model number	AN-C51BH0103-01
Date First Available	May 9, 2016
Manufacturer	ANNKE
Recommended Uses For Product	Water
Brand	ANNKE
Model Name	AN-C51BH0103-01
Connectivity Technology	Wired
Special Feature	Motion Sensor, Night Vision, Portable

SETUP AND INSTALLATION GUIDE

Before You Begin

Please note: This camera does NOT include a power adapter and CANNOT be used alone. It requires connection to a compatible DVR system to function.

Mounting the Camera

The camera features an adjustable 3-axis mounting bracket for flexible positioning. It can be mounted on walls or ceilings to achieve the desired surveillance angle.

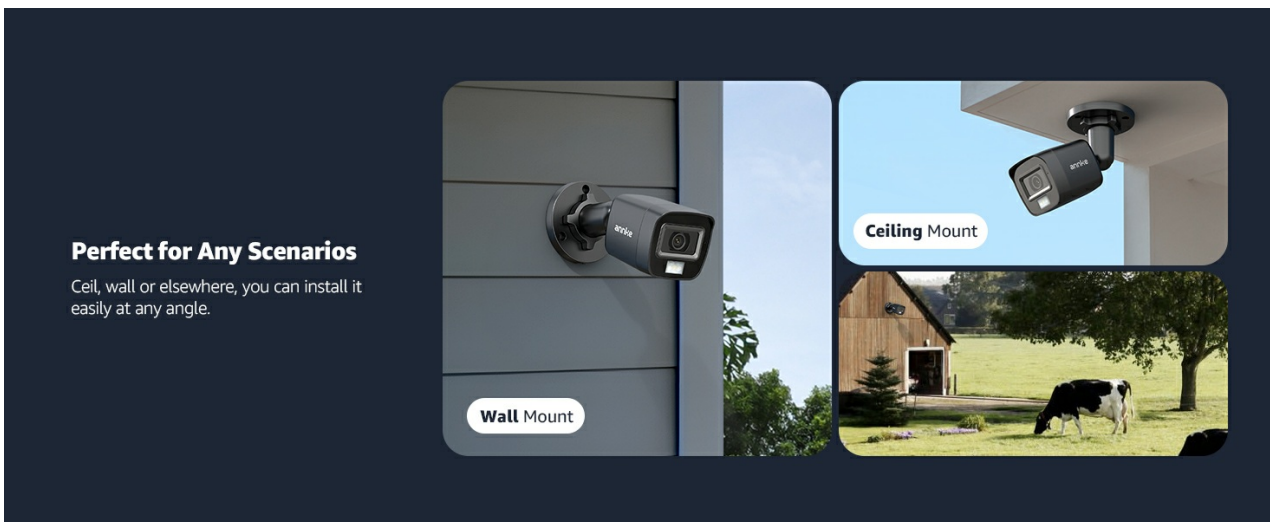


Image: Illustrations showing the camera mounted on a wall and a ceiling, demonstrating its versatility for various installation scenarios.

Wiring Connections

Connect the camera to your DVR system using a BNC cable for video transmission and a 12V DC power supply (not included) for power. Ensure all connections are secure.

What's in the Box?



X1 Camera



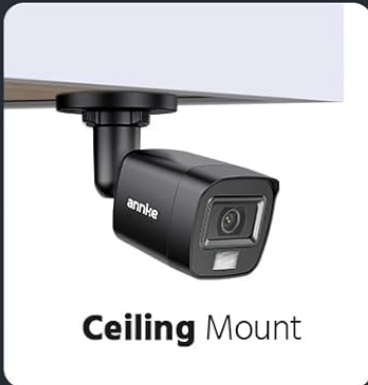
X1 Wall Sticker



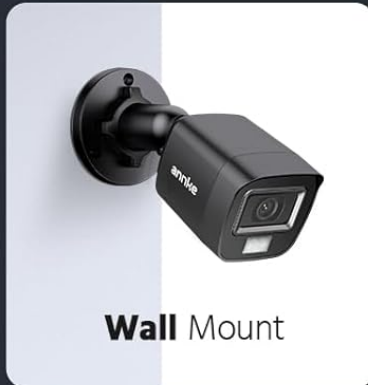
X1 User Manual



X1 Screw



Ceiling Mount



Wall Mount



3.6mm
FOV 78°

Image: A detailed view of the camera's rear, highlighting the video output (BNC) and power input ports, along with their respective cables.

OPERATING YOUR CAMERA

Crystal Clear 1080p HD Footage

Your ANNKE camera captures video in 1080p Full HD resolution, providing clear and detailed images essential for effective surveillance.

1080P Full HD



Image: A split screen comparison demonstrating the superior clarity of 1080p Full HD video compared to 720p, showing a scene with people playing in a garden.

Smooth 30fps Wired Video

The wired connection ensures a stable 30 frames per second (fps) video stream, delivering smoother and more authentic motion capture without lag.

30fps Wired Camera

Bring Smoother and More Authentic Video

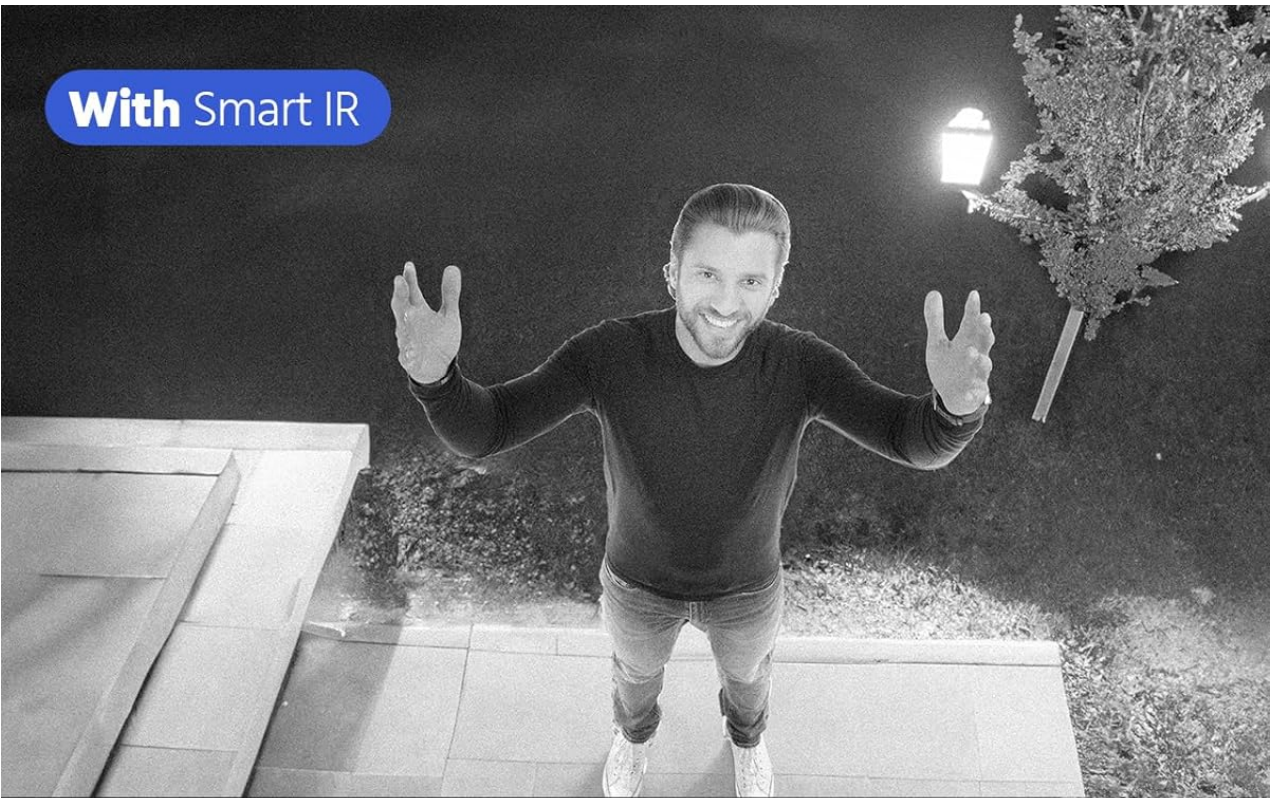


Image: A sequence of images showing a person moving a cart, illustrating the smooth motion capture provided by a 30fps wired camera.

Advanced Night Vision

The camera is equipped with advanced night vision capabilities, including Smart IR technology to prevent overexposure of objects close to the camera. It also offers flexible night vision options, allowing you to switch between standard IR mode (black and white) and full-color night vision manually, depending on ambient light conditions.

With Smart IR



Without Smart IR



Image: A side-by-side comparison showing how Smart IR technology prevents overexposure of faces in low light, providing a clearer image than without Smart IR.



Image: A nighttime scene captured in standard IR (Infrared) mode, displaying a clear black and white image of a house and yard.



Image: The same nighttime scene captured in full-color night vision mode, showing the environment with natural colors even in low light.

Wide Angle View

Featuring a 3.6mm HD lens, the camera provides a 78° field of view (FOV), capturing a wider area for comprehensive surveillance with fewer blind spots.

Record a Wider View



Image: An overhead diagram illustrating the camera's 78° field of view (FOV) with a 3.6mm lens, showing the wide area it can cover.

Weatherproof Design (IP66)

The camera boasts an IP66 weatherproof rating, making it highly resistant to dust and water ingress. It is designed to operate reliably in extreme temperatures ranging from -40°C to 60°C (-40°F to 140°F), ensuring year-round performance.

IP67 Weatherproof & Robust

Extreme Temperature Resilience



140 °F/60 °C
Hot Rating



-40 °F/-40 °C
Cold Rating

Image: A visual representation of the camera's IP66 weatherproof capabilities, showing it enduring rain and snow, alongside its hot and cold temperature ratings.

Image Enhancement Features

The camera includes Wide Dynamic Range (WDR) to balance bright and dark areas in the image, ensuring details are visible in high-contrast scenes. Digital Noise Reduction (DNR) reduces visual noise, especially in low-light conditions, for a cleaner image.



Image: A split image demonstrating the effect of Wide Dynamic Range (WDR), showing a scene with strong backlighting where WDR On reveals more detail in both bright and dark areas.



Image: A split image illustrating the effect of Digital Noise Reduction (DNR), showing a grainy night scene with DNR Off and a much clearer, less noisy image with DNR On.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your security camera.

- **Lens Cleaning:** Regularly clean the camera lens with a soft, dry, lint-free cloth to ensure clear image quality. Avoid abrasive cleaners that could scratch the lens.
- **Connection Check:** Periodically check all cable connections (BNC and power) to ensure they are secure and free from corrosion or damage. Loose connections can lead to signal loss or poor image quality.
- **Obstruction Removal:** Keep the camera's field of view clear of any obstructions such as spiderwebs, leaves, or dirt buildup that might block its vision or trigger false motion alerts.
- **Housing Inspection:** Inspect the camera housing for any signs of damage or wear, especially after severe weather conditions, to ensure its IP66 rating remains effective.

TROUBLESHOOTING

If you encounter issues with your camera, refer to the following common troubleshooting steps:

No Image/Video Signal

- **Power Supply:** Ensure the camera is properly powered with a 12V DC power adapter (not included) and that the power outlet is functional.
- **Cable Connection:** Verify the BNC cable connection between the camera and the DVR is secure at both ends. Try re-seating the cable.
- **DVR Input:** Check if the DVR input channel is correctly configured for the camera and that the channel is enabled.
- **Cable Integrity:** Inspect the BNC cable for any physical damage or breaks. A damaged cable can prevent signal transmission.

Poor Image Quality

- **Lens Cleanliness:** Clean the camera lens as described in the Maintenance section. Smudges or dirt can significantly degrade image clarity.
- **Obstructions:** Ensure there are no physical obstructions (e.g., spiderwebs, leaves, glare from direct light) in front of the lens.
- **Cable Length/Quality:** For long cable runs, ensure you are using high-quality coaxial cables. Poor quality or excessively long cables can lead to signal degradation and blurry images.
- **Power Fluctuation:** Unstable power supply can affect image quality. Ensure the power adapter provides consistent 12V DC.

Night Vision Issues

- **IR Glare:** Ensure there are no highly reflective surfaces (e.g., windows, light-colored walls) too close to the camera that might cause IR light to reflect back, resulting in a washed-out image.
- **Insufficient Power:** Verify the camera is receiving sufficient power, as inadequate power can affect the performance of the IR illuminators.
- **Smart IR Function:** Confirm that the Smart IR function is operating correctly to prevent overexposure of close-up objects.
- **Ambient Light:** Excessive ambient light in the area might prevent the camera from switching to IR mode or affect its performance.

WARRANTY AND SUPPORT

ANNKE is committed to providing excellent customer service and support for its products. Your camera comes with comprehensive support services to ensure your satisfaction.

- **After-Sale Support:** Dedicated assistance is available for any post-purchase queries, installation help, or operational issues you may encounter.
- **Quick Response:** ANNKE strives for timely responses to all customer inquiries, ensuring your concerns are addressed efficiently.
- **Lifetime Technical Help:** Benefit from ongoing technical assistance for the lifespan of your product, providing peace of mind for long-term use.

For further assistance, please visit the official ANNKE website (www.annke.com) or contact their customer

service directly through the contact information provided on their website.