



3K Smart Light Bullet & Turret Camera User Manual

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This manual may contain several technical mistakes or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.



Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A 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 commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

CE This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2014/35/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.

♻️ 2012/19/EU (WEEE directive): Products marked with this symbol cannot be pH disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment or dispose of it at designated collection points. For more information see: www.recyclethis.info.

♻️ 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss. The precaution measure is divided into "Warnings" and "Cautions".

Warnings: Serious injury or death may occur if any of the warnings are neglected.

Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

Warnings Follow these safeguards to prevent serious injury or death.	Cautions Follow these precautions to prevent potential injury or material damage.

Warnings

- In the use of the device, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 12 VDC according to the IEC60950-1 standard. Refer to technical specifications for detailed information.
- Do not connect multiple devices to one power adapter to avoid over-heating or a fire hazard caused by overload.
- Make sure that the plug is firmly connected to the power socket.
- Make sure that the device is firmly fixed if wall mounting or ceiling mounting is adopted.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cord, and then contact the service center
- Never attempt to disassemble the camera by unprofessional personal.

Cautions

- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers.
- Do not place the camera in extremely hot, cold (the operating temperature shall be -40 °C to 60 °C), dusty or damp locations, and do not expose it to high electromagnetic radiation.
- If cleaning is necessary use clean cloth with a bit of ethanol and wipe it gently.
- Do not aim the camera at the sun or extra bright places.
- The sensor may be burned out by a laser beam, so when any laser equipment is in using, make sure that the surface of sensor will not be exposed to the laser beam.
- Do not expose the device to high electromagnetic radiation or extremely hot, cold, dusty or damp environment.
- To avoid heat accumulation, good ventilation is required for the operating environment.
- Keep the camera away from liquid while in use for non-water-proof device.
- While in delivery, the camera shall be packed in its original packing, or packing of the same texture.

1 Introduction

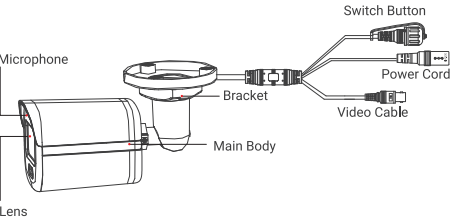
1.1 Product Features

The main features are as follows:

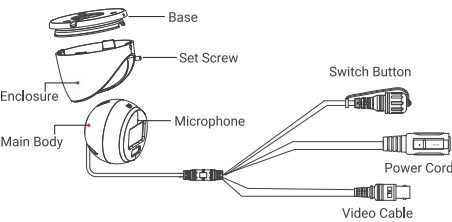
- High quality imaging with 3K resolution
- 24/7 color imaging with F1.0 aperture
- OSD menu with configurable parameters
- One port for four switchable signals (TVI/AHD/CVI/ CVBS)
- High quality audio with audio over coaxial cable, built-in mic
- Water and dust resistant (IP67)

1.2 Overview

Overview of Bullet Camera



Overview of Turret Camera



Note:

Press and hold the switch button for 5 seconds to switch the video output. Four kinds of video outputs are available: TVI, AHD, CVI, and CVBS.

2 Installation

2.1 Installation instruction

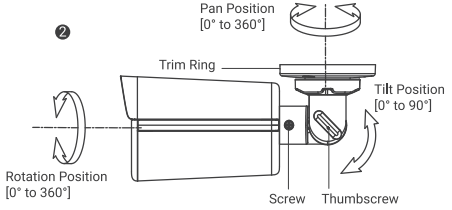
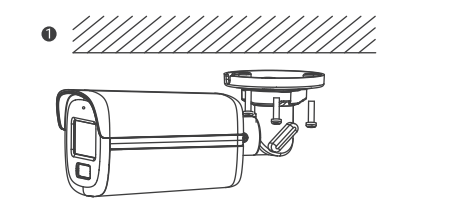
- Disconnected the power before you wire, install or dismantle the device.
- When the device is mounted on wall or ceiling, the device shall be firmly fixed.
- Do not aim the device towards any light sources. This may smudge the image and affect the durability of the sensor.
- Do not point the device towards a glass window. It may result in poor image quality.
- Do not place the device in a shaded area and point it towards a well-lit area. It may result in poor image quality.
- Do not install the device at places where rain and snow can hit the lens directly, and the device cannot be used underwater.
- Make sure that there is no reflective surface too close to the camera lens, it may reflect IR light or right light back into the lens resulting in a poor image.
- Do not touch the lens with your fingers, and gently wipe the lens with a clean soft cloth if necessary.

2.2 Mount the Camera

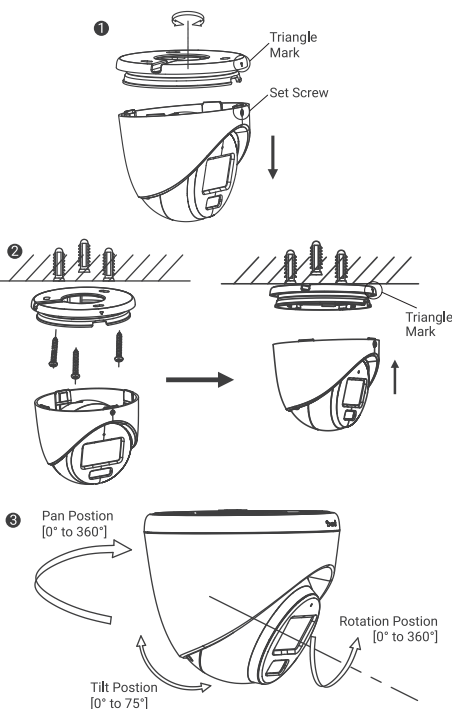
The device supports ceiling or wall installation, please refer to the following method steps.

1. Drill holes in accordance with the mounting hole template, use the expansion bolts included in the package if needed, install the base with the self-tapping screws included in the package.
2. Route the cables through the cable hole or the side opening. Mount the camera to the mounting plate and turn the camera clockwise to lock it tightly.
3. Power on the camera, check whether the image angle is suitable through the web page, monitor or APP, if not, please adjust the angle of the camera.

For Bullet Camera



For Turret Camera



3 Menu Description

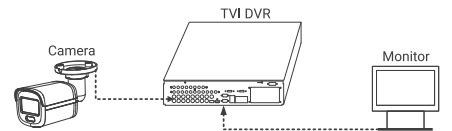
Please follow the steps below to call the menu.

Note:

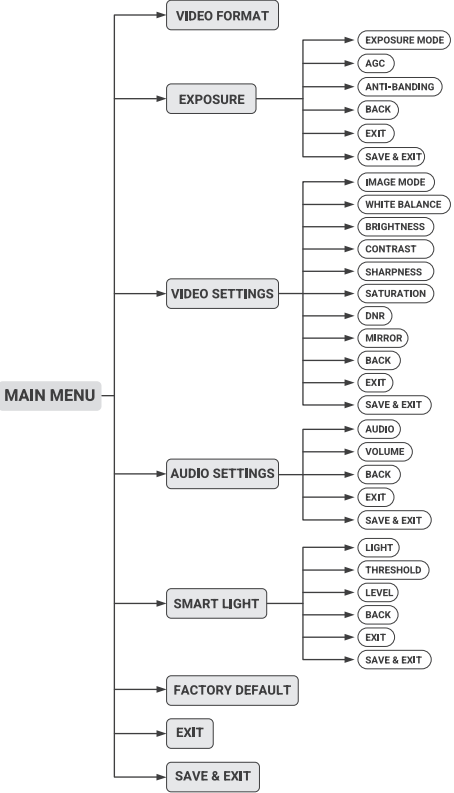
The actual display may vary with your camera model.

Steps:

1. Connect the camera with the TVI DVR and the monitor, as shown in figure.



2. Power on the camera, TVI DVR, and monitor to view the image on the monitor.
3. Click PTZ Control to enter the PTZ Control interface.
4. Call the camera menu by clicking button or calling preset No. 95.



5. Click the direction buttons to control the camera.
 - 1). Click up/down direction buttons to select menu options.
 - 2). Click Iris + to confirm the selection.
 - 3). Click left/right direction buttons to adjust the value of the selected option.

3.1 VIDEO FORMAT

You can set the video format to 3K@20fps (16:9 aspect ratio), 4MP@25fps, 4MP@30fps, 2MP@25fps, 2MP@30fps in TVI mode. You can set the video format to 5MP@20fps (4:3 aspect ratio), 4MP@25fps, and 4MP@30fps in AHD mode. You can set the video format to 4MP@25fps, and 4MP@30fps in CVI mode. You can also select PAL, or NTSC in CVBS mode.

3.2 EXPOSURE

EXPOSURE MODE

You can set the **EXPOSURE MODE** to **GLOBAL**, **BLC**, **HLC**, **WDR**, or **HLS**.

• GLOBAL

GLOBAL refers to the normal exposure mode which adjusts lighting distribution, variations, and non-standard processing.

• **BLC (Backlight Compensation)**

BLC (Backlight Compensation) compensates light to the object in the front to make it clear, but this may cause over-exposure of the background where the light is strong.

• **HLC (Highlight Compensation)**

HLC stands for highlight compensation. The camera detects strong spots (over-exposure portion of image) and reduces the brightness of strong spots to improve the overall images.

• **DWDR (Digital Wide Dynamic Range)**

Digital wide dynamic range gives the camera the ability to view dark areas of given image as well as extremely lighted portions of the image or areas of high contrast.

• **HLS (Highlight Suppression)**

It is the same visual effect as the solar eclipse. If the brightness of a part in the image exceeds the threshold, this part will become black. Then whole image can be clear.

AGC (Auto Gain Control)

It optimizes the clarity of the image in poor light conditions. The **AGC** level can be set to **HIGH**, **MEDIUM**, or **LOW**.

Note:

The noise will be amplified when setting the **AGC** level.

ANTI-BANDING

ANTI-BANDING is to prevent the phenomenon of horizontal lines (banding) when photographing images in low frequency light or high brightness environments.

3.3 VIDEO SETTINGS

Move the cursor to **VIDEO SETTINGS** and click Iris+ to enter the submenu. **IMAGE MODE**, **WHITE BALANCE**, **BRIGHTNESS**, **CONTRAST**, **SHARPNESS**, **SATURATION**, **DNR**, and **MIRROR** are adjustable.

VIDEO SETTINGS	
IMAGE MODE	◀ STD ▶
WHITE BALANCE	↵
BRIGHTNESS	◀ 5 ▶
CONTRAST	◀ 5 ▶
SHARPNESS	◀ 5 ▶
SATURATION	◀ 5 ▶
DNR	◀ 5 ▶
MIRROR	◀ OFF ▶
BACK	↵
EXIT	↵
SAVE & EXIT	↵

IMAGE MODE

IMAGE MODE is used to adjust the image saturation, and you can set it to **STD** (Standard), **HIGH-SAT** (High Saturation), or **HIGHLIGHT** (better indoor facial details).

WHITE BALANCE

White balance, the white rendition function of the camera, is to adjust the color temperature according to the environment. It can remove unrealistic color casts in the image. You can set **WHITE BALANCE** to **AUTO**, **OUTDOOR**, **GLOBAL** or **MANUAL**.



• **MANUAL**

You can set the **R-GAIN/B-GAIN** value to adjust the shades of red/blue color of the image.

WHITE BALANCE	
MODE	◀ MANUAL ▶
R-GAIN	◀ 5 ▶
B-GAIN	◀ 5 ▶
BACK	↵
EXIT	↵
SAVE&EXIT	↵

BRIGHTNESS

Brightness refers to the brightness of the image. You can set the brightness value from 1 to 9 to darken or brighten the image. The greater the value is, the brighter the image is.

CONTRAST

This feature enhances the difference in color and light between parts of an image.

SHARPNESS

Sharpness determines the amount of detail an imaging system can reproduce.

SATURATION

Saturation is the proportion of pure chromatic color in the total color sensation. Adjust this feature to change the saturation of the color.

DNR

DNR reduces noise in video stream.

MIRROR

Note:

The function is only supported in **TVI** mode.

OFF, **H**, **V**, and **HV** are selectable for mirror.

OFF: The mirror function is disabled.

H: The image flips 180° horizontally.

V: The image flips 180° vertically.

HV: The image flips 180° both horizontally and vertically.

3.4 AUDIO SETTINGS

Note:

The function is only supported in **TVI** mode.

AUDIO

You can turn on or off the function under this sub-menu.

VOLUME

You can adjust the volume level under this sub-menu.

3.5 SMART LIGHT

Under the **SMART LIGHT** sub-menu, you can set the mode to **OFF** or **AUTO**.

• **OFF**

Set it to **OFF** to give up this function.

• **AUTO**

You can set **THRESHOLD** and **LEVEL** in this section.

THRESHOLD

The higher the threshold is, the more sensitive the device is to dark environment.

LEVEL

You can adjust the maximum brightness of supplement light.

3.6 FACTORY DEFAULT

Reset all the settings except video format to factory defaults.

3.7 EXIT

Move the cursor to **EXIT** and click Iris+ to exit the menu.

3.8 SAVE & EXIT

Move the cursor to **SAVE & EXIT** and click Iris+ to save the settings and exit the menu.

DE

Regulatorische Informationen

FCC-Konformität: Dieses Gerät wurde getestet und entspricht den Grenzwerten für ein digitales Gerät der Klasse B gemäß Teil 15 der FCC-Bestimmungen. Diese Grenzwerte sollen einen angemessenen Schutz vor schädlichen Interferenzen bei einer Installation in Wohngebieten bieten.

FCC-Bedingungen

Dieses Gerät entspricht Teil 15 der FCC-Bestimmungen. Der Betrieb unterliegt den folgenden zwei Bedingungen: (1) dieses Gerät darf keine schädlichen Störungen verursachen, und (2) dieses Gerät muss alle empfangenen Störungen akzeptieren, einschließlich Störungen, die einen unerwünschten Betrieb verursachen können.

EU-Konformitätserklärung

ANNKE erklärt, dass dieses Gerät den wesentlichen Anforderungen und anderen relevanten Bestimmungen der Richtlinie 2014/30/EU, der RoHS-Richtlinie 2011/65/EU entspricht.



Mit diesem Symbol gekennzeichnete Produkte dürfen in der Europäischen Union nicht als unsortierter Siedlungsabfall entsorgt werden. Geben Sie dieses Produkt zum ordnungsgemäßen Recycling nach dem Kauf eines gleichwertigen neuen Geräts an Ihren Händler vor Ort zurück oder entsorgen Sie es an ausgewiesenen Sammelstellen.

Eingeschränkte Garantie

Dieses Produkt wird mit einer eingeschränkten 2-Jahres-Garantie geliefert, die nur gültig ist, wenn es bei ANNKE gekauft wird.

HINWEIS: Wir hoffen, dass Ihnen der Neukauf gefällt. Wenn Sie jedoch mit dem Produkt nicht zufrieden sind und eine Rückgabe planen, empfehlen wir Ihnen dringend, die Kamera vor der Rückgabe auf die Werkseinstellungen zurückzusetzen.

Sicherheitshinweise

Gesetze und Richtlinien

Das Gerät sollte in Übereinstimmung mit den örtlichen Gesetzen, elektrischen Sicherheitsvorschriften und Brandschutzvorschriften verwendet werden.

Elektrizität

Bei der Verwendung des Produkts müssen Sie die elektrischen Sicherheitsvorschriften des Landes und der Region strikt einhalten. Das Gerät darf keinem Tropf- oder Spritzwasser ausgesetzt werden und es dürfen keine mit Flüssigkeiten gefüllten Gegenstände, wie z. B. Vasen, auf das Gerät gestellt werden.

Notfall

Wenn Rauch, Geruch oder Geräusche aus dem Gerät aufsteigen, schalten Sie es sofort aus und ziehen Sie das Netzkabel ab. Wenden Sie sich dann an den Verkäufer des Geräts.

Systemsicherheit

Bitte haben Sie Verständnis dafür, dass Sie dafür verantwortlich sind, alle Passwörter und andere Sicherheitseinstellungen für das Gerät zu konfigurieren und Ihren Benutzernamen und Ihr Passwort aufzubewahren.

Wartung

Wenn das Produkt nicht richtig funktioniert, wenden Sie sich bitte an support@annke.com. Wir übernehmen keine Verantwortung für Probleme, die durch nicht autorisierte Reparatur oder Wartung verursacht werden.

FR

Informations réglementaires

Conformité FCC: cet équipement a été testé et déclaré conforme aux limites d'un appareil numérique de classe B, conformément à la partie 15 des règles FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle.

Conditions FCC

Cet appareil est conforme à la partie 15 des règles de la FCC. Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas causer d'interférences nuisibles et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.

Déclaration de conformité UE

ANNKE déclare que cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/30/UE, la directive RoHS 2011/65/UE.



Les produits marqués de ce symbole ne peuvent pas être éliminés comme des déchets municipaux non triés dans l'Union européenne. Pour un recyclage approprié, retournez ce produit à votre fournisseur local lors de l'achat d'un nouvel équipement équivalent, ou jetez-le aux points de collecte désignés.

Garantie limitée

Ce produit est livré avec une garantie limitée de 2 ans qui n'est valable que s'il est acheté chez ANNKE. REMARQUE: Nous espérons que vous apprécierez le nouvel achat. Mais si vous n'êtes pas satisfait du produit et que vous prévoyez de le retourner, nous vous suggérons fortement de réinitialiser l'appareil photo aux paramètres d'usine par défaut avant de le retourner.

Consignes de sécurité

Lois et règlements

L'appareil doit être utilisé conformément aux lois locales, aux réglementations de sécurité électrique et aux réglementations de prévention des incendies.

Électricité

Lors de l'utilisation du produit, vous devez vous conformer strictement aux réglementations de sécurité électrique du pays et de la région. L'équipement ne doit pas être exposé aux gouttes ou aux éclaboussures et aucun objet rempli de liquide, tel que des vases, ne doit être placé sur l'équipement.

Urgence

Si de la fumée, une odeur ou un bruit s'élèvent de l'appareil, éteignez-le immédiatement et débranchez le câble d'alimentation, puis contactez le vendeur de l'appareil.

Sécurité du système

Veuillez comprendre que vous avez la responsabilité de configurer tous les mots de passe et autres paramètres de sécurité de l'appareil, et de conserver votre nom d'utilisateur et votre mot de passe.

Entretien

Si le produit ne fonctionne pas correctement, veuillez contacter support@annke.com. Nous n'assumons aucune responsabilité

pour les problèmes causés par une réparation ou un entretien non autorisé.

IT

Informazioni normative

Conformità FCC: questa apparecchiatura è stata testata e trovata conforme ai limiti per un dispositivo digitale di Classe B, ai sensi della Parte 15 delle Norme FCC. Questi limiti sono progettati per fornire una protezione ragionevole contro interferenze dannose in un'installazione residenziale.

Condizioni FCC

Questo dispositivo è conforme alla Parte 15 delle norme FCC. Il funzionamento è soggetto alle seguenti due condizioni: (1) questo dispositivo non può causare interferenze dannose e (2) questo dispositivo deve accettare qualsiasi interferenza ricevuta, incluse interferenze che potrebbero causare un funzionamento indesiderato.

Dichiarazione di conformità UE

ANNKE dichiara che questo dispositivo è conforme ai requisiti essenziali e ad altre disposizioni pertinenti della Direttiva 2014/30/UE e della Direttiva RoHS 2011/65/UE.



I prodotti contrassegnati da questo simbolo non possono essere smaltiti come rifiuti urbani indifferenziati nell'Unione Europea. Per un corretto riciclaggio, restituire questo prodotto al fornitore locale al momento dell'acquisto di una nuova apparecchiatura equivalente o smaltirlo presso i punti di raccolta designati.

Garanzia limitata

Questo prodotto viene fornito con una garanzia limitata di 2 anni valida solo se acquistato da ANNKE. **NOTA:** Ci auguriamo che il nuovo acquisto ti piaccia. Ma se non sei soddisfatto del prodotto e prevedi di restituirlo, ti consigliamo vivamente di ripristinare le impostazioni predefinite di fabbrica della fotocamera prima di restituirlo.

Istruzioni di sicurezza

Leggi e regolamenti

Il dispositivo deve essere utilizzato in conformità alle leggi locali, alle norme sulla sicurezza elettrica e alle norme antincendio.

Elettricità

Nell'uso del prodotto, è necessario rispettare rigorosamente le norme di sicurezza elettrica della nazione e della regione. L'attrezzatura non deve essere esposta a gocciolamenti o spruzzi e nessun oggetto pieno di liquidi, come vasi, deve essere posto sull'attrezzatura.

Emergenza

Se dal dispositivo fuoriescono fumo, odori o rumori, spegnere immediatamente l'alimentazione e scollegare il cavo di alimentazione, quindi contattare il venditore del dispositivo.

Sicurezza del sistema

Ti preghiamo di comprendere che hai la responsabilità di configurare tutte le password e altre impostazioni di sicurezza sul dispositivo e di conservare il tuo nome utente e password.

Manutenzione

Se il prodotto non funziona correttamente, contattare support@annke.com. Non ci assumiamo alcuna responsabilità per problemi causati da riparazioni o manutenzioni non autorizzate.

ES

Información reglamentaria

Cumplimiento de la FCC: Este equipo ha sido probado y se ha encontrado que cumple con los límites para un dispositivo digital de Clase B, de conformidad con la Parte 15 de las Reglas de la FCC. Estos límites están diseñados para brindar una

protección razonable contra interferencias dañinas en una instalación residencial.

Condiciones de la FCC

Este dispositivo cumple con la Parte 15 de las Normas de la FCC. El funcionamiento está sujeto a las siguientes dos condiciones: (1) este dispositivo no puede causar interferencias dañinas y (2) este dispositivo debe aceptar cualquier interferencia recibida, incluidas las interferencias que puedan causar un funcionamiento no deseado.

Declaración de conformidad de la UE

ANNKE declara que este dispositivo cumple con los requisitos esenciales y otras disposiciones relevantes de la Directiva 2014/30/UE, la Directiva RoHS 2011/65/UE.



Los productos marcados con este símbolo no pueden eliminarse como residuos municipales sin clasificar en la Unión Europea. Para un reciclaje adecuado, devuelva este producto a su proveedor local al comprar un equipo nuevo equivalente, o deséchelo en los puntos de recolección designados.

Garantía limitada

Este producto viene con una garantía limitada de 2 años que es válida solo si se compra en ANNKE. **NOTA:** Esperamos que disfrute de la nueva compra. Pero si no está satisfecho con el producto y planea regresar, le sugerimos que restablezca la configuración predeterminada de fábrica de la cámara antes de regresar.

Instrucciones de seguridad

Leyes y regulaciones

El dispositivo debe utilizarse de conformidad con las leyes locales, las normas de seguridad eléctrica y las normas de prevención de incendios.

Electricidad

En el uso del producto, debe cumplir estrictamente con las normas de seguridad eléctrica de la nación y región. El equipo no debe exponerse a goteos o salpicaduras y no se deben colocar sobre el equipo objetos que contengan líquidos, como jarrones.

Emergencia

Si sale humo, olor o ruido del dispositivo, apáguelo de inmediato y desenchufe el cable de alimentación, luego comuníquese con el vendedor del dispositivo.

Sistema de seguridad

Por favor comprenda que tiene la responsabilidad de configurar todas las contraseñas y otras configuraciones de seguridad sobre el dispositivo, y mantener su nombre de usuario y contraseña.

Mantenimiento

Si el producto no funciona correctamente, comuníquese con support@annke.com. No asumiremos ninguna responsabilidad por problemas causados por reparaciones o mantenimiento no autorizados.



Shenzhen Kean Digital co.,Ltd.

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EC	REP	THEMIS AR Unterstützung UG Beedstrasse 54, In Dusseldorf, (40468), Deutschland

