MERCUSYS

User Guide

Battery-Powered Security Camera

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About This Guide

This guide provides a brief introduction to the Battery-Powered Security Camera and regulatory information.

Note: Features, availability, and software versions may vary by model, region, or service provider (ISP). Images and descriptions in this guide are for example purposes only and may not reflect your exact experience.

Conventions

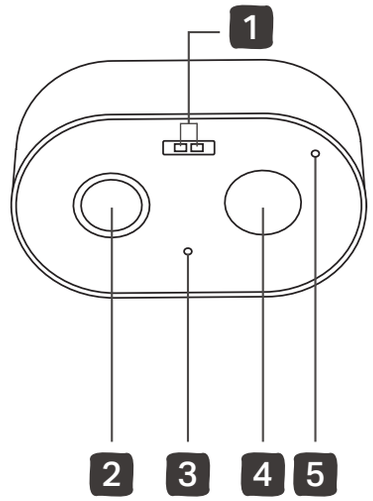
In this guide, the following conventions are used:

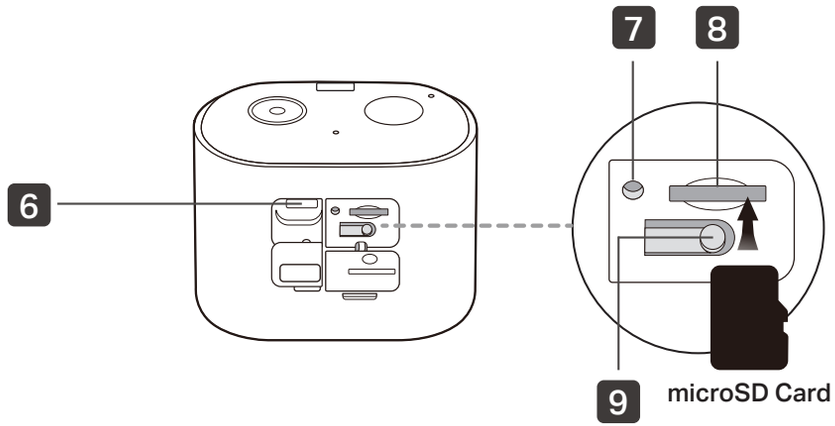
Convention	Description
Underline	Hyperlinks are in red and underlined. You can click to redirect to a website or a specific section.
Red	Key information appears in red, such as menus, items, and buttons.
Note	Ignoring this type of note might result in a malfunction or damage to the device.
Tips	Indicates important information that helps you make better use of your device.

More Info

- Specific product information can be found on the product page at https://www.mercusys.com.
- Our Technical Support contact information can be found at the https://www.mercusys.com/support.

Appearance





1 **IR & White Light LEDs**

2 **Lens**

3 **Microphone**

4 **Motion Sensor**

5 **Status LED**

6 **USB Type-C Charging Port**

Open the cover for USB charging.

7 **Reset Button**

Press and hold for **5s**:
Reset Wi-Fi while keep other settings.
Press and hold for **10s**:
Reset to factory settings.

8 **microSD Card Slot**

Insert a microSD card (not included) and initialize it on the MERCUSYS app for local recording.

9 **On/Off Button**

Press and hold for about 3 seconds to turn on/off the camera.

Status LED Indicator

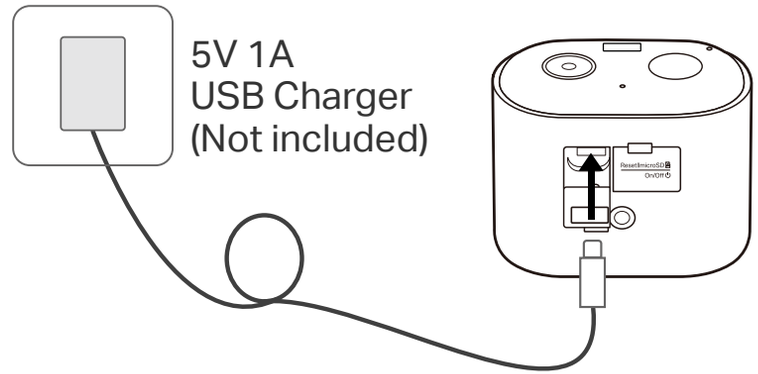
Indicator	Descriptions
Blinking amber quickly for 3 seconds	Plugging in USB charger
Solid red	Starting up
Blinking red and green	Ready for setup
Blinking red slowly	Connecting to Wi-Fi
Solid amber	Connected to Wi-Fi
Solid green	Connected to the cloud
Blinking red quickly	Camera resetting
Blinking green quickly	Camera upgrading

Set Up Your Camera

Follow the steps below to get started with your new camera.

Step 1 Charge the Battery

The battery comes partially charged. We recommend that you fully charge the battery before use. This will take about **five and a half hours**.



Warning: Do not tear off the silicone part by force as it may affect the waterproof and dustproof performance.

Notes:

- Peel off film from the camera before use.
- Prior to mounting your camera, fully charge the battery using the included USB cable. (Some 3rd party cables may result in slow or failed charging.)
- When plugged in, the LED will quickly blink in amber for 3 seconds. If not, make sure the power is running and check your connections.
- Keep the ports firmly covered when not in use to ensure waterproof and dustproof performance.
- The camera may not power up after falling. Plug in the USB charger to power it on again.
- Check the battery status on the MERCUSYS app after setup.

Step 2 Set Up

1. Download and install the MERCUSYS app

Scan the QR code below or go to the Google Play or Apple App Store to download the MERCUSYS app.

Install the app on your mobile device.

OR

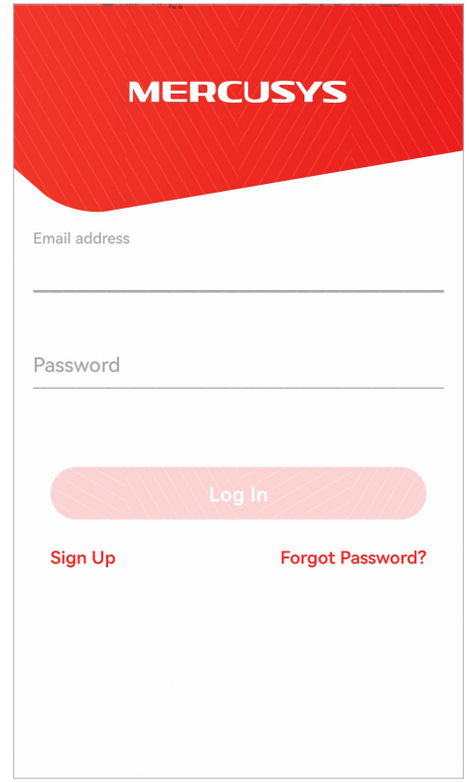
Download on the App Store

GET IT ON Google Play

2. Log in or sign up with MERCUSYS ID

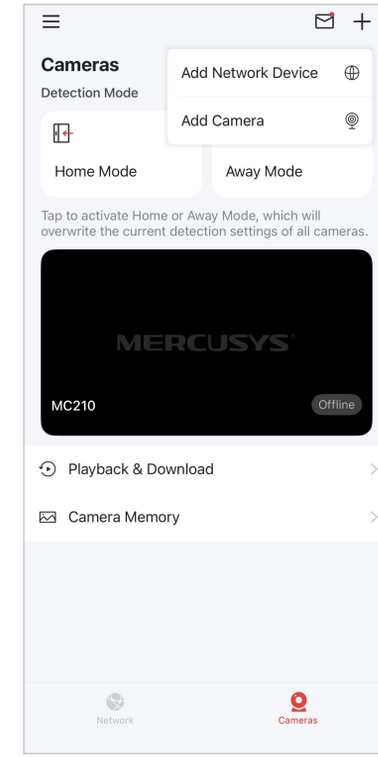
Open the app and use your MERCUSYS ID to log in.

Note: If you don't have a MERCUSYS ID, tap **Sign Up** to create one. The app will guide you through the process.



3. Connect and configure Camera Device

Tap + > **Add Camera** and follow the step-by-step instructions to connect and configure your camera.

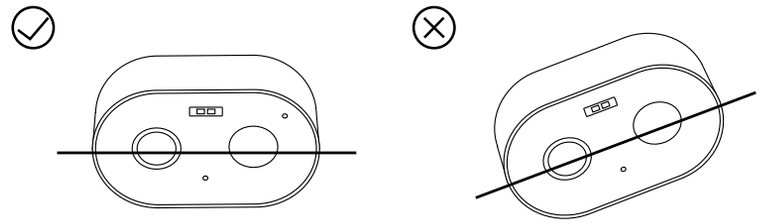


Mount Your Camera

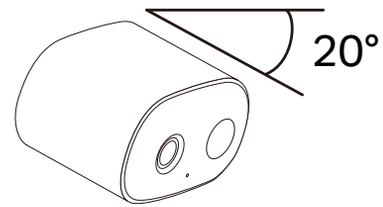
You can set your camera on a level surface or mount it on a wall.

Mounting Tips

- Avoid placing behind windows/glass. Windows and glass can block the motion sensor of your camera, preventing motion detection.
- Proper mounting of your camera will prevent issues such as frequent false alerts.
- Avoid pointing the camera directly at swaying trees.
- Avoid pointing the camera in high traffic areas unless that is the desired monitoring location.
- Avoid pointing the camera directly at streetlights or sunlight.
- Do not place the camera upside down.
- Keep the motion sensor level for best results.

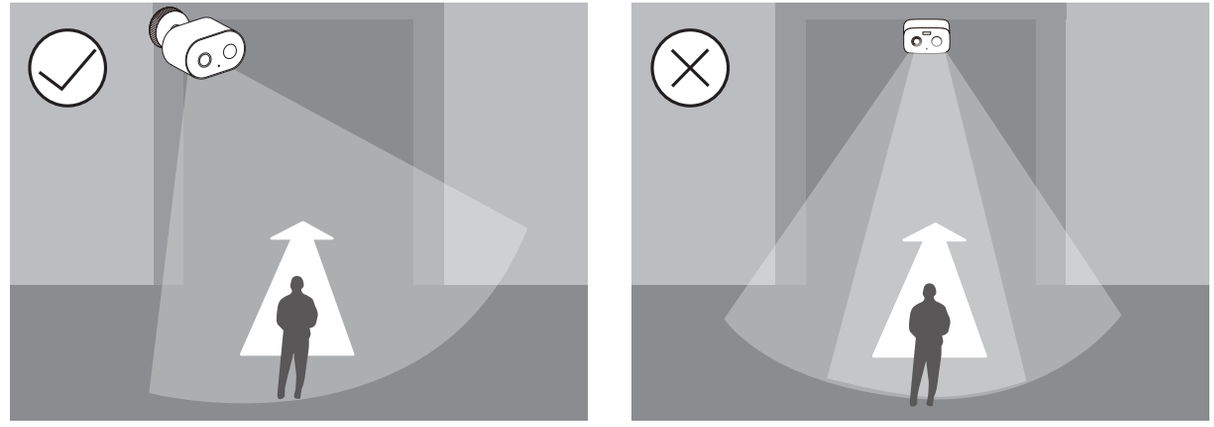


- Tilt the camera downwards at an angle of about 20°.



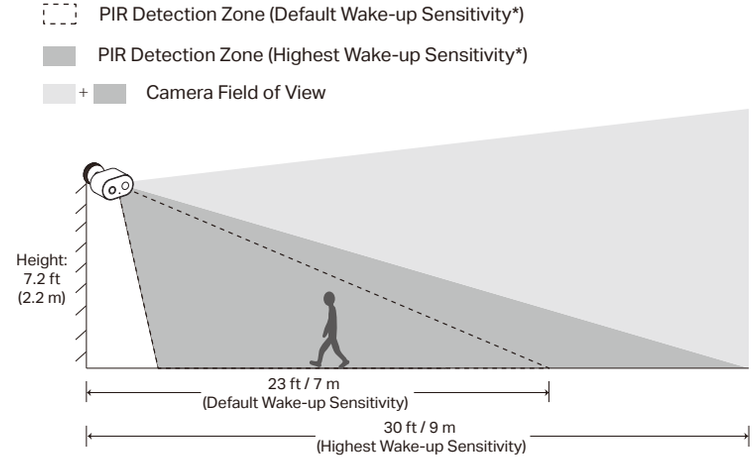
- Mounting your camera at an angle so movement crosses the lens's field of view will provide more accurate motion detection and AI detection.

  Note: Do not mount facing the direction of movement.



- For optimal detection performance, we recommend mounting the camera 7-10 ft (2-3 m) above the ground.

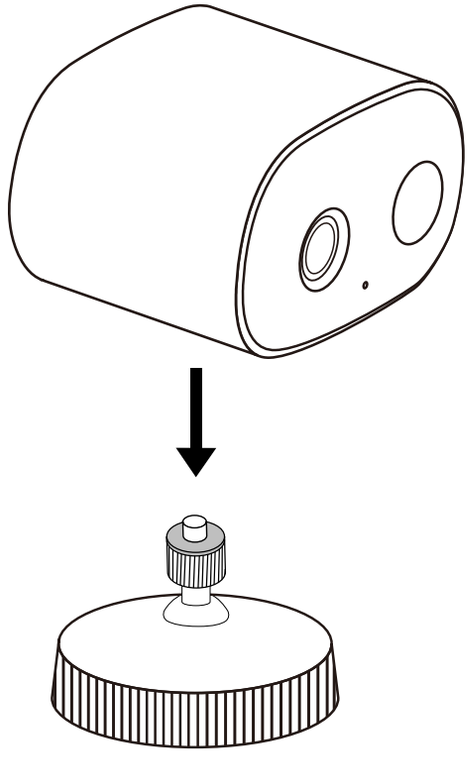
  Note: You can adjust the sensitivity in Camera Settings > Detection > Wake-up Sensitivity.



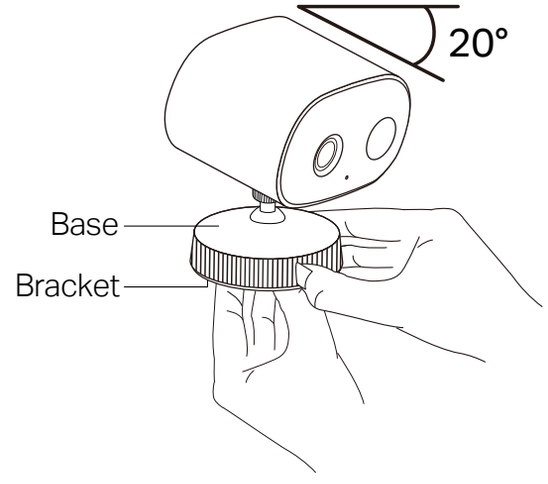
Option 1: Set on a Level Surface

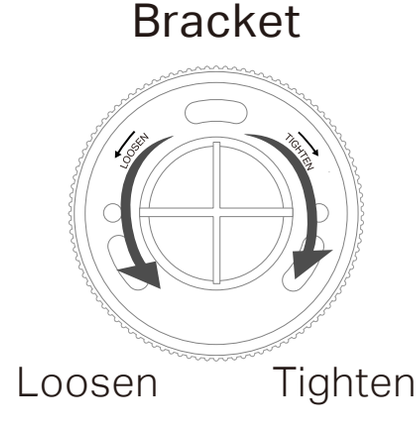
Place the camera on a level surface.

1. Screw the camera onto the bracket.

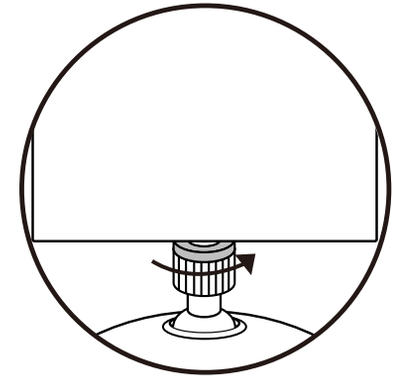


2. Loosen the base, adjust the camera to the desired angle, and tighten the base to secure.



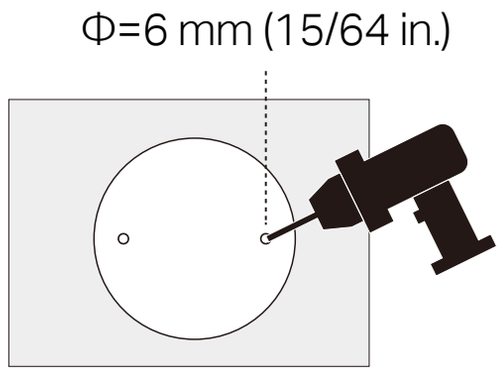


Note: Ensure the camera is securely attached to the camera bracket by tightening the bottom screw.

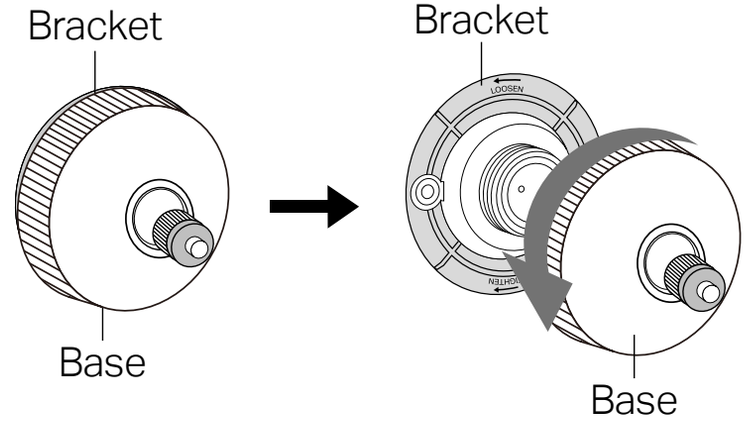


Option 2: Mount on a Wall

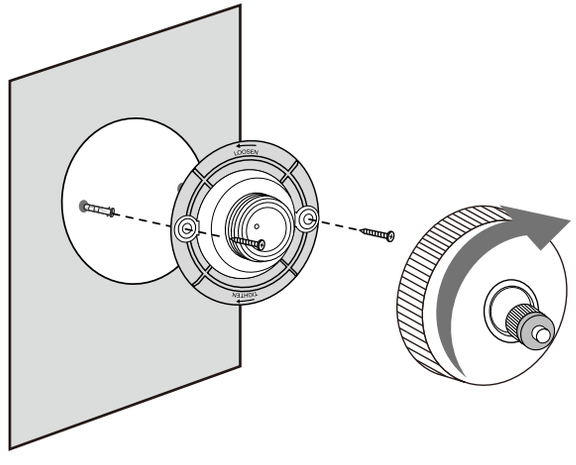
1. Stick the mounting template sticker to the desired mounting place. Drill two holes according to the template.



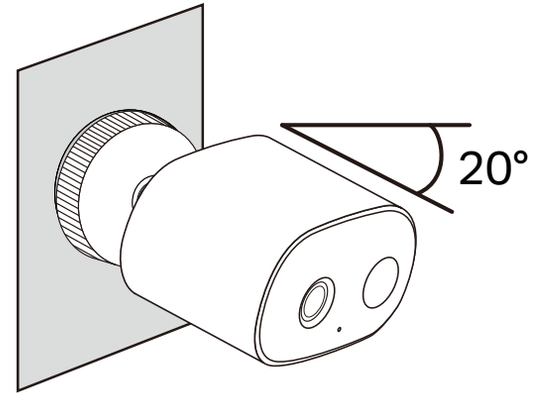
2. Unscrew the base from the mounting bracket.



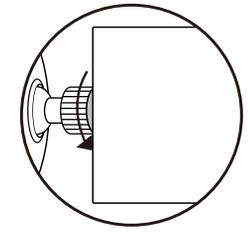
3. Insert two anchors into the holes and use the screws to affix the bracket over the anchors. Screw the base onto the bracket.



4. Install the camera on the base, adjust the angle by loosening the base, and secure it by tightening.



Note: Ensure the camera is securely attached to the camera bracket by tightening the bottom screw.



Authentication

CE Mark Warning

CE

OPERATING FREQUENCY (the maximum transmitted power)

2400 MHz-2483.5 MHz (20dBm)

5150 MHz-5250 MHz (23dBm)

5250 MHz-5350 MHz (23dBm)

5470 MHz-5725 MHz (23dBm)

5725 MHz-5850 MHz (14dBm)

EU Declaration of Conformity

MERCUSYS hereby declares that the Battery Camera is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011 /65/EU and (EU) 2015/863.

The original EU declaration of conformity may be found at https://www.mercusys.com/en/ce/.

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

Frequency band: 5150 - 5250 MHz:

Indoor use: Inside buildings only. Installations and use inside road vehicles and train carriages are not permitted. Limited outdoor use: If used outdoors, equipment shall not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure or a fixed outdoor antenna. Use by unmanned aircraft systems (UAS) is limited to within the 5170 - 5250 MHz band.

Frequency band: 5250 - 5350 MHz:

Indoor use: Inside buildings only. Installations and use in road vehicles, trains and aircraft are not permitted. Outdoor use is not permitted.

Frequency band: 5470 - 5725 MHz:

Installations and use in road vehicles, trains and aircraft and use for unmanned aircraft systems (UAS) are not permitted.

	AT	BE	BG	CH	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL
	NO	PL	PT	RO	SE	SI	SK	UK(NI)

UKCA Mark

UK
CA

UK Declaration of Conformity

MERCUSYS hereby declares that the Battery Camera is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK declaration of conformity may be found at https://www.mercusys.com/support/ukca/.

Attention: In Great Britain, the operation in the frequency range 5150MHz - 5350MHz is only permitted indoors.

	UK

Korea Warning Statements:

당해 무선설비는 운용중 전파혼신 가능성이 있음 .





This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licenceexempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1) L'appareil ne doit pas produire de brouillage;

2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RSS-102(P9):

The device meets the exemption from the routine evaluation limits of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;

for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

NCC Notice & BSMI Notice

注意!

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

為避免本器材影像畫面遭偷窺或擷取，本器材使用者應先修改預設密碼，並定期更新密碼。

應避免影響附近雷達系統之操作。

安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 不要私自拆開機殼或自行維修，如產品有故障請與原廠或代理商聯繫。
- 請勿更換不正確類型的電池，以免破壞保護措施。 請勿將電池丟入火源或烤箱、使用機械擠壓或切割電池，否則將導致爆炸。
- 請勿將電池放置於可能爆炸或洩漏易燃液體、氣體的高溫環境中；請勿將電池置於低氣壓環境下，這將導致爆炸或易燃液體、氣體洩漏。
- 安裝高度不得超過 2 公尺。
- 產品外接電源供應器供電時，需使用 BSMI 認證的電源供應器且用於室內，電源供應器符合如下規格要求 : 輸出 5Vdc, 至少 1A，符合 LPS/PS2，操作溫度至少符合 35° C。
- 電池攝影機工作溫度：-20° C ~ 45° C（-4° F ~ 113° F）

限用物質含有情況標示聲明書

設備名稱：電池式安全攝影機 Equipment name				型號（型式）：MC410 Type designation (Type)		
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr^{+6})	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
PCB 印刷電路板	○	○	○	○	○	○
外殼	○	○	○	○	○	○
USB 線	—	○	○	○	○	○
其他及其配件	—	○	○	○	○	○

備考 1.〝超出 0.1 wt %〞及〝超出 0.01 wt %〞係指限用物質之百分比含量超出百分比含量基準值

Note 1：“Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考 2.〝○〞係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2：“○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考 3.〝—〞係指該項限用物質為排除項目。

Note 3：The “—” indicates that the restricted substance corresponds to the exemption.

Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

EAC

Safety Information

- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Do not use the device where wireless devices are not allowed.
- Adapter shall be easily accessible.
- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- Do not disassemble, repair or modify the product.
- Do not place near automatically controlled devices such as fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Observe restrictions on using wireless products in fuel depots, chemical plants or when blasting operations are in progress.
- Do not use liquid to clean the product. Only use a dry cloth.
- Never put metal objects inside the product. If a metal object enters the product, turn off the circuit breaker and contact an authorised electrician.
- This product is not intended to be used when providing medical care. Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids to determine if they are adequality shielded from external RF (radio frequency) energy.
- Do not use this product in health care facilities. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long time, unplug the product from the power outlet.
- This product may interfere with other electronic products such as TV, radios, personal computers, phones or other wireless devices.
- Operating Temperature: -20°C ~ 45°C (-4°F ~ 113°F)
- This equipment can be powered only by equipments that comply with Power Source Class 2 (PS2) or Limited Power Source (LPS) defined in the standard of IEC 62368-1.
- The adapter should be used indoors, ensuring that the ambient temperature does not exceed the allowable range specified for the purchased power adapter.

CAUTION!

Avoid replacement of a battery with an incorrect type that can defeat a safeguard.
Avoid disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
Do not leave a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; Do not leave a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Handling Instructions for Lithium Ion Rechargeable Battery

Please read and follow the handling instructions for the battery before use. Improper use of the battery may cause heat, fire explosion, damage or capacity deterioration of the battery.

- Do not place or leave the battery and equipment in the reach of infants so that they are not able to swallow or mistreat the battery by mistake. In case of ingestion, consult with a doctor immediately.
- Do not let leaked electrolyte come into contact with eyes or skin. In such a case, immediately wash the area of contact with clean water and seek help from a doctor. If not treated soon, prolonged contact may cause serious injury.
- Do not put the battery into a fire. Do not use it or leave it in a place near fire, heaters, or high temperature sources. In such a case, the insulator in the battery may be melted, the safety vent and structure may be damaged, or the electrolyte may catch fire, all of which may cause heat generation, explosion, or fire.
- Do not submerge the battery in water, or wet the battery. If the protecting device assembled in the battery is damaged, the battery may be charged with an abnormal current and voltage and may cause a chemical reaction within the battery, which may result in the cause of heat generation, explosion, or fire of the battery.
- Do not use any battery charger not specified by the manufacture, also follow the charge conditions specified by the manufacture. If the battery is charged under other conditions (a high temperature, a high voltage / current, or an altered charger) not specified by the manufacture, the battery may become over-charged with an excessive current and cause heat, explosion, or fire with abnormal chemical reactions.
- Do not use, charge, or leave the battery near fire or in a car under the blazing sun. Such a high temperature may cause damage of the protecting device in the battery, which may result in an abnormal reaction, and then heat generation, explosion, or fire.
- Do not connect the battery reversed in positive (+) and negative (-) terminals in the charger or equipment. In case the battery is connected and charged reversely, it may cause heat generation, explosion, or fire due to an abnormal chemical reaction.
- Do not let the battery terminals (+ and -) contact a wire or any metal (like a metal necklace or a hairpin) with which it carried or stored together. In

such a case, the battery will be shorted and cause an excessive current, which may result in heat generation, explosion, or fire.

- Do not connect the battery directly to an electric outlet or cigarette heater socket in car. With a high voltage applied, the battery may overheat, explode, or cause fire.
- Do not throw or drop the battery. Strong impact may damage the protecting device, which may cause an abnormal chemical reaction during charging and result in heat generation, explosion, or fire of the battery.
- Do not drive a nail in, hit with a hammer, or stamp on the battery. In such a case, the battery may be deformed and shorted, which may cause heat generation, explosion, or fire of the battery.
- Do not solder the battery directly. Heat applied during soldering may damage the insulator of the safety vent and mechanism, which may result in heat generation, explosion, or fire of the battery.
- Do not disassemble or alter the battery. The battery employs a safety mechanism and a protecting device in order to avoid any danger. If these are damaged, heat, explosion or fire may be caused.

CAUTION

- Do not put the battery in a microwave or a pressure cooker. Sudden heat may damage the seal of the battery and may cause heat generation, explosion, or fire of the battery.
- Do not use the battery with other maker's batteries, different types and/or models of batteries such as dry batteries, nickel-metal hydride batteries, or nickel-cadmium batteries, or new and old lithium ion batteries together. In such a case, over-discharge during use, or over-charge during charge may occur abnormal chemical reactions and may cause heat generation, explosion, or fire of the battery.
- Do not leave the battery in a charger or equipment if it generates an odor and /or heat, changes color and / or shape, leaks electrolyte, or causes any other abnormality. In such a case, immediately take the battery out of the charge or equipment and keep it away from fire, otherwise, the battery might overheat, explode, or cause fire.
- Discontinue charging after specified charging time even if the charge is not complete, otherwise, the battery might cause heat generation, explosion, or fire.
- Do not use the battery in the place where the static electricity (more than the limit of the manufacturer's guarantee) occurs. Otherwise, the protecting device in the battery might be damaged and cause heat generation, explosion, or fire.
- Do not use the battery in other than the following conditions; otherwise, the battery might cause heat generation, damage, or deterioration of its performance.

Operating environment:

When the battery is charged: 0°C ~ +45°C (Humidity < 80%)

When stored 1 months: -20°C ~ +50°C (Humidity < 80%)

When stored 3 months: -20°C ~ +45°C (Humidity < 80%)

When stored 1 year: -20°C ~ +20°C (Humidity < 80%)

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

The product label can be found at the bottom of the device. Symbols may vary from products.

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	Alternating current
	DC voltage
	Polarity of output terminals
	Indoor use only

Symbol	Explanation
	Dangerous voltage
	Caution, risk of electric shock
	Energy efficiency Marking
	Protective earth
	Earth
	Frame or chassis
	Functional earthing
	Caution, hot surface
	Caution
	Operator’s manual
	Stand-by
	“ON”/”OFF” (push-push)

Symbol	Explanation
	Fuse
	Fuse is used in neutral N
	RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.
	Caution, avoid listening at high volume levels for long periods
	Disconnection, all power plugs
m	Switch of mini-gap construction
μ	Switch of micro-gap construction (for US version) Switch of micro-gap / micro-disconnection construction (for other versions except US)
ε	Switch without contact gap (Semiconductor switching device)