



MicroView
by **ernitec**

Network Cube Camera

Quick Start Guide

MVCLLOUD-101

Quick Start Guide

About this Manual

This Manual is applicable to MVCLOUD -101 Network Ernitec Cameras.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information here in after are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website

Please use this user manual under the guidance of professionals.

Legal Disclaimer

REGARDING TO THE PRODUCT WITH INTERNET ACCESS, THE USE OF PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. OUR COMPANY SHALL NOT TAKE ANY RESPONSIBILITES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, OUR COMPANY WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS THE APPLICABLE LAW. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH ILLEGITIMATE PURPOSES. IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

Regulatory Information

FCC Information

FCC compliance: This equipment has been tested and found to comply with the limits for 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



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 EMC Directive 2004/108/EC, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be 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.



Safety Instruction

These instructions are intended to ensure that a 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.

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



Warnings

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- 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. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket. When the product is mounted on wall or ceiling, the device shall be firmly fixed.

- If smoke, odor, or noise rise from the device, turn off the power at once and unplug the power cable, and contact the service center.



Cautions

- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers. If cleaning is necessary, use a clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period, replace the lens cap to protect the sensor from dirt.
- Do not aim the camera at the sun or extra bright places. Blooming or smearing may occur (which is not a malfunction), and affect the sensor's endurance at the same time.
- The sensor may be burned out by a laser beam, so when any laser equipment is in use, make sure that the surface of sensor will not be exposed to the laser beam.
- Do not place the camera in extremely hot, cold (the operating temperature shall be -30°C to +60°C, or -40°C to +60°C if the camera model has an "H" in its suffix), dusty, or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, ensure that there is good ventilation to the device.
- Keep the camera away from liquids.

- While in delivery, pack the camera in its original, or equivalent, packing, packing materials. Or packing of the same texture.
- Regular part replacement: a few parts (e.g. electrolytic capacitor) of the equipment shall be replaced regularly according to their average endurance. The average time varies because of differences between operating environments and usage history, so regular checking is recommended for all users. Please contact your dealer for more details.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

Table of Contents

1 Appearance Description	9
1.1 TypeI& Type IICube Camera	9
1.2 WPS Instruction	13
2 Installation	14
2.1 Stand Mouting	15
2.2 Ceiling Mounting.....	16
3 Setting the Network Camera over the LAN	19
3.1 Wiring	19
4 Register Camera Into Ernitec Cloud Services	20
4.1 Register Camera from dashboard for professionals	20
4.1.1 Register Camera	20
4.1.2 Unregister Camera	22
4.2 Register Camera with scan of the QR Code	23
5 Download “Ernitec video” App on IOS/Android	24
6 Wifi Network Setup	26
6.1 With WPS button	26
6.2 With “Ernitec Cloud” Mobile App Or ernitec-cloud.com	26

1 Appearance Description

There are two cube camera appearances available for this camera series, refer to the following chapter for details.

1.1 Type I & Type II Cube Camera

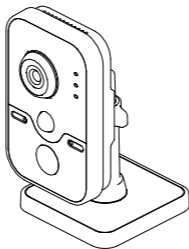


Figure 1-1 Type I Cube Camera

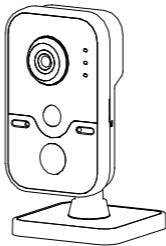


Figure 1-2 Type II Cube Camera

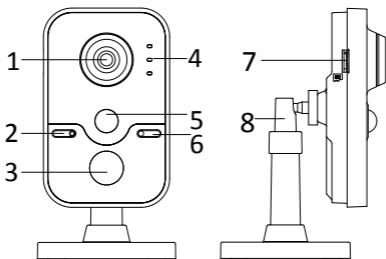


Figure 1-3 Front View and Side View of Type I and Type II Cube Camera

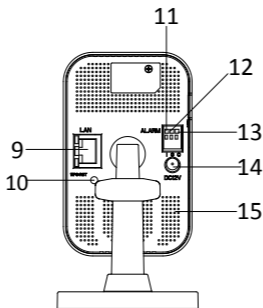


Figure 1-4 Rear View of Type I Cube Camera

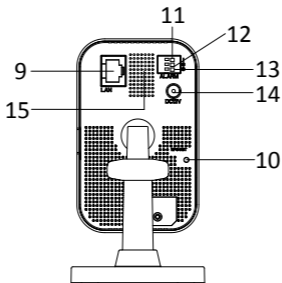


Figure 1-5 Rear View of Type II Cube Camera

Table 1-1 Description of Type I and Type II Cube Camera

No.	Description	
1	Lens	
2	Microphone	
3	IR LED	
4	Indicator	Alarm: Solid red when the camera is armed; Solid blue when the camera is unarmed.
		Status: Solid blue when camera is working properly; it turns to red when camera stops work.

Network Ernitec Cube Camera ▪ Quick Start Guide

No.	Description
	Link: Flashing amber when network is connected; Unlit when network is disconnected
5	PIR(Passive Infrared) sensor
6	Light Sensing
7	microSD Card Slot
8	3-axis Bracket
9	10M / 100M self-adaptive Ethernet interface &PoE
10	WPS (Wi-Fi Protected Setup)/Reset Button
11	I: Alarm Input Interface
12	G: Grounding
13	O: Alarm Output Interface
14	Power supply interface (12 VDC)
15	Speaker



Press RESET about 10s when the camera is power on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

1.2 WPS Instruction

WPS (Wi-Fi Protected Setup, also known as AOSS or QSS) is a computing standard that attempts to allow easy establishment of a secure wireless network.

A wireless router with the WPS function is required to enable the WPS function of the camera.

Steps:

1. Press the WPS button on the router.
2. Press the WPS button (about 2s) on the camera within 120s you enable the WPS of the router to join in the wireless network.



- The WPS button works as a reset button only when you press it when the camera is powering on.
- Press the WPS button on the camera, and then press the WPS button on the router will work as well, and the expire time of WPS connection on the camera is 120s.
- The link indicator blinks if the wireless connection succeeded.

2 Installation

Before you start:

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The standard power supply is 12 VDC, please make sure your power supply matches with your camera.
- Make sure all the related equipment is power-off during the installation.
- Check the specification of the products for the installation environment.
- Make sure that the wall is strong enough to withstand four times the weight of the camera and the bracket.

For the camera that supports IR, you are required to pay attention to the following precautions to prevent IR reflection:

- Dust or grease on the dome cover will cause IR reflection. Please do not remove the dome cover film until the installation is finished. If there is dust or grease on the dome cover, clean the dome cover with clean soft cloth and isopropyl alcohol.
- Make sure that there is no reflective surface too close to the camera lens. The IR light from the camera may reflect back into the lens causing reflection.
- The foam ring around the lens must be seated flush against the inner surface of the bubble to isolate the lens from the IR LEDs. Fasten the dome cover to camera body so that the foam ring and the dome cover are attached seamlessly.

2.1 Stand Mounting

Steps:

1. Take the bracket out from the package.

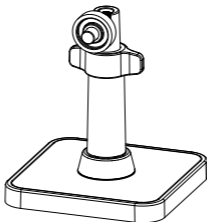


Figure 2-1 Bracket

2. Align the camera body to the bracket, and rotate the camera body to fix it with the bracket.

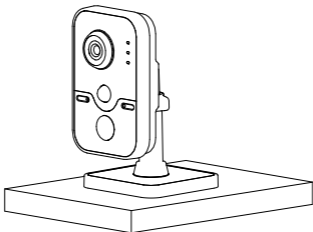


Figure 2-2 Install the Camera Body

3. Assemble the camera as the steps above, and put the camera on the flat surface.

2.2 Ceiling Mounting

1. Drill the screw holes according to the drill template.

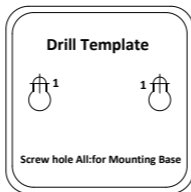


Figure 2-3 Drill Template

2. Disassemble the 3-axis bracket. Hold the base with one hand, and rotate the pole anticlockwise to disassemble the pole from the base.

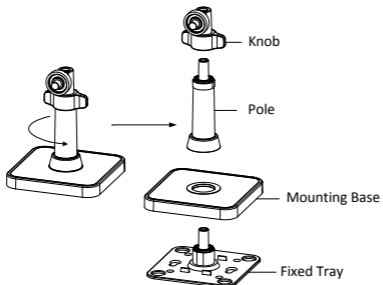


Figure 2-4 Disassemble the Bracket

3. Install the fixed tray to the ceiling with the supplied screws.
4. Install the base to the fixed plate.

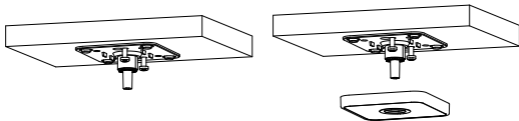


Figure 2-5 Install the Fixed Plate and Mounting Base

5. Install the camera to the bracket.

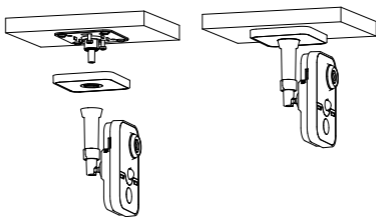


Figure 2-6 Install the Camera

6. Adjust surveillance angel

- (1) Loosen the knob to adjust the panning angle from 0° to 360°.
- (2) Adjust the tilting angle from 0° to 90°.
- (3) After adjusting the angle of the camera to the desired position, fasten the knob.

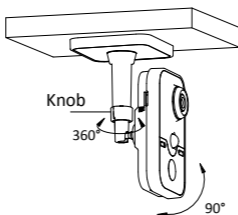


Figure 2-7 Adjust the Camera

3 Setting the Network Camera over the LAN

Note:

You shall acknowledge that the use of the product with Internet access might be under network security risks. For avoidance of any network attacks and information leakage, please strengthen your own protection. If the product does not work properly, please contact with your dealer or the nearest service center.

3.1 Wiring

Please connect the camera to the Internet Box according to the following figure



Figure 3-1 Connecting camera to internet box

4 Register Camera Into Ernitec Cloud Services

4.1 Register Camera from dashboard for professionals

4.1.1 Register Camera

Steps:

1. Find the MAC Address on the sticker of the camera box.



Figure 4-1: Mac Address on the sticker

2. Power On the camera and connect it to the internet box.

- Go to the Customers page of Dashboard. Click on “Add Camera” button of subscription’s customer.



Figure 4-2: Add Camera Button

- After the camera is connected to internet, you have 30 minutes from its start time in order to enter the MAC address, camera name and choose the Time Zone then click “Add” button.

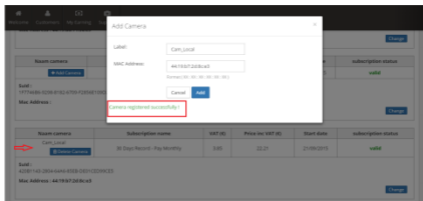


Figure 4-3: Register camera from dashboard

- Once the camera has been registered into the Ernitec Cloud Service, you can view the live video of the camera from the account of the Web Site www.ernitec-cloud.com.

4.1.2 Unregister Camera

Steps:

- In order to disable Ernitec Cloud services, please click on “Delete Camera” button of the Customers page of Dashboard.



Figure 4-4: Delete Camera Button

- If you are sure to delete your camera, click on “Yes” button.

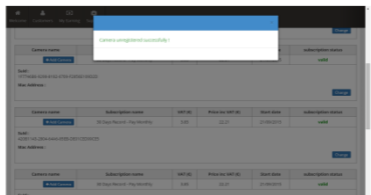


Figure 4-5: Unregister camera

4.2 Register Camera with scan of the QR Code

You can also register your camera with scanning the QR code from “Ernitec Cloud” App on IOS/Android. The application “Ernitec Cloud” can be downloaded from App Store or from Google Play (please refer to chapter 5)

5 Download “Ernitec Cloud” App on IOS/Android

To use the mobile application “Ernitec Cloud”, you should download it with two ways:

- Searching “Ernitec Cloud” from the Google Play (Android) or from the App Store (IOS).



Figure 5-1: Android



Figure 5-2: IOS

- Using your smartphones or your iPhone equipped with an application to read QR codes you can easily download “Ernitec Cloud” App. Once you scan the QR Code existing on the sticker of camera box, the link of download application appears on the screen of your smartphones or your iPhone.



Figure 5-3: QR Code

6 Wifi Network Setup

You can connect the camera with network cable or with Wi-Fi.

To connect camera with Wi-Fi, there are two methods:

6.1 With WPS button

You can use this method if your internet Box is equipped with the WPS button.

Steps:

1. Power on the camera.
2. Press the WPS button on the Internet Box.
3. Press the WPS button on the camera.

6.2 With “Ernitec Cloud” Mobile App Or Ernitec-Cloud website

Steps:

1. Connect the camera to the internet box, by using the network cable provided in the camera box.
2. Register the camera (Refer to the chapter 4).
3. From the website Ernitec-Cloud, or with the mobile application, go to the camera setting, the Wi-Fi setting.
4. Select the Wi-Fi network from the list.
5. Enter the Wi-Fi password and apply.
6. If the Wi-Fi is connected, you will get a success message, otherwise come back to the step 4.

