

## 3G Remote Camera ( WCDMA W-C1/2 )



■Thank you for purchasing the 3G Remote Camera. The user manual illustrates how to operate this product. So please read the user manual carefully before using it. With this high-tech wireless equipment, you can detect anywhere at anytime by dialing video calls with 3G mobile phone. The 3G remote camera can be widely used in house, school, shop, moving cars, trains or take care of elders and children as long as WCDMA network is available.

Modern design 3G Remote camera matches excellent 300,000 pixel camera with night vision function. With the built-in infrared LED, the camera can shoot clear film even in darkness.

The Remote camera is compatible with normal 315 MHz or 433 MHz wireless sensor in the market, such as wireless infrared motion detector, door sensor, smoke detector etc, and all of them are wireless, easy to use. You can also select any kind of sensor mentioned to work with our product. You or your family or your guards can receive the alarm message when any sensor was triggered.

All services and functions needs to be supported by the network and USIM card. Detailed operation and product functions, please refer to this brochure.

## **FOR YOUR SAFETY**

■The product complies with the relevant European standards about electromagnetic compatibility. However, please keep away from electronic equipment which is likely to interfere by the wireless signal, to avoid the signal interruption.

Switch off this product in any area marked "Explosive", "might explode", "closed wireless transceiver devices" etc. Do not dispose the product in a fire; otherwise, it may cause the battery explosion.

Only use the power adaptor approved by the product manufacturer. The use of any other types may damage the product. Keep the product and the accessories out of the reach of children.

## **DECLARATION**

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For latest product information, we don't guarantee for the document veracity, reliability or any content except regulate in proper laws. Including no guarantee for product suitable market or suitable area promise.

Use only this product legally. Do not monitor other one's private places. We don't take any charge for the illegal use of this product.

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## MENU

<b>FEATURES</b> .....	4
<b>PREPARATIONS</b> .....	5
<b>BASIC USE</b> .....	6
Setup the camera .....	6
Modify remote controllers and wireless security sensors..	6
Alarm out .....	7
Alarm in .....	8
Add/Delete/Check users.....	8
Remote video surveillance .....	8
Voice Call.....	9
<b>ADVANCED OPERATIONS</b> .....	9
Modify Password .....	9
Video record .....	10
Getting a live picture by MMS.....	10
Check status .....	10
Night vision .....	11
Set time .....	11
Picture rotation.....	11
Reset the camera .....	12
Get help .....	12
File storage.....	12
Format SD .....	12
Set MMS parameter .....	13
<b>ALARM</b> .....	13
Define alarm receivers.....	13
Delete alarm receivers.....	14
Arm/Disarm.....	14
Motion Detection.....	14
Edit alarm message .....	15
<b>PARAMETER</b> .....	15
<b>SMS order list</b> .....	16

## FEATURES

- This product uses USIM card, supporting WCDMA 3G network.
- Real-time video and audio surveillance: by your 3G phone, you can see area anytime and anywhere through 3G video call.
- 300,000 pixels CMOS Lens with infrared LED, support night vision.
- You can send SMS to control the camera remotely.
- Max 5 users and 2 alarm receivers supported
- Motion detection: by infrared motion sensor, it can detect environmental change and alarm
- Alarm message: it can send alarm messages to phones by SMS
- RF Sensor: Max 10 wireless RF alarm sensors can be added.
- Picture , video call can be saved in SD card
- Wireless remote control(W-1B): it can arm, disarm or send emergency alarm signal
- Easy installation: Wireless connection. The product can be installed at any place you wanted.
- Built-in Lithium battery: Rechargeable battery ensuring operation in case of external power failure
- Application: taking care of the elders and children, in house, school, monitoring shop, bus, ship, and train etc.

# PREPARATIONS

- 1、 You need to prepare a WCDMA USIM card for the camera which has 3G video call, voice call, SMS, income number displaying functions
- 2、 No PIN, pass code, etc for the USIM.
- 3、 A WCDMA phone.
- 4、 Please remember the user's passwords of the camera. And do not tell others.

## Parts explanations

### Front parts:

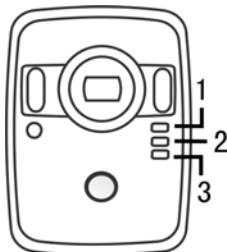
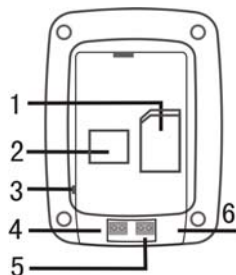
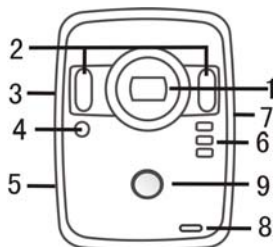
- Digital lens (1)
- Infrared lights (2)
- Light sensor (4)
- Power adapter socket (5)
- Indicators (6)
- Speaker (7)
- Microphone (8)
- Infrared motion sensor (9)

### Back parts:

- SIM card holder (1)
- T-flash card holder (2)
- Reset button (3)
- Alarm in slot (4)
- Alarm out slot (5)
- Setup indicator (W-1B) (6)

### LED indicators Status Instruction :

	Action	Status
LED1	Continuously on	Power is OK
	Flash	Battery low
LED2	Continuously off	WCDMA network is OK
	Flash	Only GSM network
	Continuously on	No any network



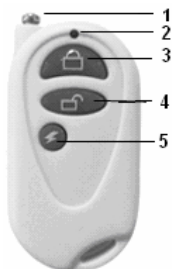
LED3	Continuously on	Armed
	Continuously off	Disarmed

## Remote control Instructions (W-1B)

1. Antenna
2. Indicator light
3. Arming key
4. Disarming key
5. Emergency key

## Installation

- 1、 Insert USIM card and memory card if you need
- 2、 Insert Battery
- 3、 Connect USB AC adaptor



# BASIC USE

## Setup the camera

The camera can setup and search the network automatically after you insert USIM card and battery.

Normally, the camera will login the network within several seconds. You can judge from the LED indicator.

**Caution: The camera can not work without battery.**

## Modify remote controllers and wireless security sensors

At most 10 wireless surveillance sensors connection. When they alarm, the master's phone will receive message.

Wireless alert devices: 315 or 433 MHz

Indoor use only.

## How to modify RF remote controllers and wireless surveillance sensors with the camera

## Add

Send message:

**Password#RF#study#**

When the camera receives the SMS, the learning LED will flash one time which means the camera is in Learning Status. Press any key of the controller or make the sensor alarm, if the learning LED flashes again, that means the learning is successfully.

## Delete

Send message:

**Password#RF#delete#**

When the camera receives the SMS, learning LED flashes 8 seconds means the deletion is successfully. And all remote controllers or wireless surveillance sensors are deleted and you need set then again

## Distinguish different wireless surveillance sensors.

The camera max can add 10 wireless surveillance sensors. If you want to distinguish them, please following the steps below:

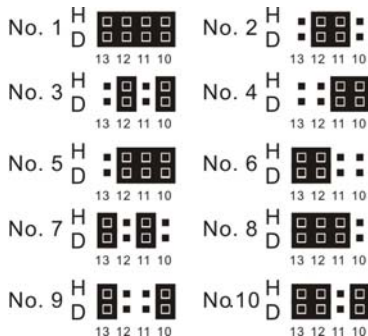
**Step1:** You can find slots on most wireless security devices

**Step2:** Choose different combinations of the slots, you will get different alarm SMS, such as

### Left Picture

For example, if you choose No.1 for a wireless security device, when it alarms, you will receive alarm SMS like this: The No.1 wireless security device alarm!

*Tips: Some wireless security devices maybe have different definition of slots , so the alarm SMS maybe not the exact one you want.*



## Alarm out

You can connect alarming horn (Max 4V/100mA) with the camera with

“alarm out” slot. When the security device is alarm, the alarming horn will active 60 seconds

Connect positive and negative with host and alarming horn.

## Alarm in

You can connect wired alarm sensor's signal out points with the “alarm in slot”.

## Add/Delete/Check users

You can add at most **5** numbers as “user phone”.

“User phone” can call the camera by video call or audio call for surveillance.

“User phone” can also send some SMS orders

**Add user:**

**password#user#user1#user2#user3#**

Example:

123456#user#13500000001#13500000002#13500000003# , then 13500000001,13500000002 and 13500000003 will be users, and other phones can not call the camera.

*Tips: Default user password is 123456*

**Notice:**

- If there is no user, any phone can call the camera.
- The users are those which are in the latest SMS order.

**Delete all users:**

Send message: **password#user#0#**

**Check users:**

Send message: **password#user#?#**

The camera will send back a SMS with user list

## Remote video surveillance



User phone can see live video remotely by your 3G WCDMA mobile phone.

Steps:

- 1) Set your 3G phone number as user
- 2) Call the camera by "video call" of your 3G phone
- 3) If the call is connected, you will see the live video of monitoring area.

Notice:

If your 3G phone number is not user, your call will be stopped

### **Image parameter setting and volume adjustment**

You can also set image focus and volume during video call.

The operation definition of the correspondent key of your phone in video call as followed:

"1" Zoom in                      "3" Zoom out

"#" volume up                  "\*" volume down

If there is SD card in the camera, the surveillance video will be saved in SD card.

### **Voice Call**

You can hear the sound of monitoring area by phone voice call.

- 1) Set your 3G phone number as user
- 2) Call the camera by "voice call" of your 3G phone
- 3) If the call is connected, you will see the live video of monitoring area.

**Notice:**

If your 3G phone number is not user, your call will be stopped

During the call, press "#" for volume up and "\*" for volume down

## **ADVANCED OPERATIONS**

### **Modify Password**

Modify the Password of the camera after initiation to ensure operation

safety.

Send message:

**Old password#password#new password#**

Example: 123456#password# 456789#

*Tips: The default User Password is 123456.*

*The password must be a 6-digit number*

## Video record

After receiving SMS command of recording video, the camera begins to record video of 60 seconds and save it in SD memory card if there is.

Send message:

**Password#video#**

Tips: If there is no SD card, the record will be failed.

## Getting a live picture by MMS

If you want the camera to take a picture and send it to your phone by MMS, send the following SMS to the camera.

**Caution :MMS service perhaps can not work correctly in some countries.**

Send message:

**Password#picture#**

*Tips: If there is no SD card, the picture will not be saved.*

## Check status

If user wants to know the present setting and work status of camera, he/she just needs to send the following SMS to camera. It will reply a SMS including all settings (except the passwords.).

Send message:

**Password#status#**

If your phone number is user, you can just send message:

**Status**

### **The status message includes information:**

3G camera status :  
15:35, 01/01/2010  
3G:X  
2G:X  
Alarm on/off  
Alarm receivers:XXXXXXX XXXXXXXX  
SD: XXXXX KB  
Battery: XX%  
Motion: on/off

### **Night vision**

Infrared light LEDs enable the camera to have a real time video or picture clearly in dark night. And the Camera can control the infrared light automatically.

### **Set time**

You can set system time by SMS

Send message:

**password#time#hh/mm/dd/mm/yyyy#**

**Example:** 123456#time#09/36/25/08/2012#

The system time will be set as 9:36 25<sup>th</sup> Aug 2012

### **Picture rotation**

You can choose the picture and video rotate 180 degrees.

Send message:

**password#camrotate#**

## Reset the camera

If the remote camera setting is wrong, or forget the password, the following methods will enable the remote camera recover to original settings and back to regular working status.

**Method 1 :** Send SMS command to the camera.

Send message:

**password#reset#**

**Method 2:** Press the “Reset button” for 5 seconds when the camera is working.



## Get help

If you forget the SMS commands, user can send SMS to get the command list.

Send message:

**password#help#**

If your phone number is user, you can just send message:

**Help#**

## File storage

All video calls, MMS pictures, alarm pictures and short video records will be saved in micro SD card and named by time.

Picture: F:/picture

Video: F:/video

Video call: F:/video call

## Format SD

You can delete all files in SD card

Send message:

**password#FormatSD#**

## Set MMS parameter

You need to set MMS parameters for the camera if you want to get pictures by MMS.

Send these 3 messages

**Password#mmsurl#url address#**

**Password#mmsproxy#Proxy IP# Proxy port#**

**Password#APN#APN name#password#user name#**

For example: ORANGE in United Kingdom

123456#mmsurl# mms.orange.co.uk/#

123456#mmsproxy#192.168.224.10#80#

123456#APN#orangemms#multimedia#orange#

- If there is no password but user name, send:  
**Password#APN#APN name#password#**
- If there is neither password nor user name, send:  
**Password#APN#APN name#**

## ALARM

### Define alarm receivers

Firstly , user need to pre-define at most 2 phone numbers to receive alarm SMS.

Send message:

**Password#alarmnumber#XXXX#XXXXX#**

Example: 123456# alarmnumber#13500000005#13500000006#

13500000005 and 13500000006 will receive alarm messages.

### Notice:

- The “alarm receivers” can be not same with “user number”, you can also set local police SMS center as alarm receiver.
- The receivers are those which are in the latest SMS order.
- Please make sure that the receivers can receive SMS.

- If you only need 1 receiver, send **Password#alarmnumber#Receiver1**

## **Delete alarm receivers**

Send message:

**Password#alarmnumber#**

## **Arm/Disarm**

If the camera is armed, the camera will in “Defense Mode”. If the camera receives alarm signals from connected alarm sensors or “motion detection”, the camera will send alarm SMS to all pre-defined alarm receivers and a picture to receiver 1

**Notice: The alarm function will pause 120 seconds after alarm once.**

**Wire alarm in, emergency keypad and No.10 wireless alarm in can work on “Disarm” mode.**

**To arm/defense:**

**Method 1:** send following SMS to camera.

**Password#alarm#on#**

**Method 2:** Press the “Arming” key on the remote control directly and you can see LED 3 indicating successful operation.

**To disarm/Cancel defense:**

**Method 1:** send following SMS to camera.

**Password#alarm#off#**

**Method 2:** Press the “Disarming” key on the remote control directly and you can see LED 3 indicating successful operation.

**Notice:**

In disarm mode, emergency pad on RF controller is also effective.

## **Motion Detection**

You can select if the infrared motion sensor is on or off when armed.

Send message:

**Password#motion#on#** or **Password#motion#off#**

**Default:: on**

## **Edit alarm message**

You can edit content of alarm message.

Send message:

**Password#alarmSMS#XXXXXXXXXX#**

Example:

123456#alarm SMS# help! Room 205, Great building, 21st Street.#

If you want to delete alarm message, send:

**Password#alarmSMS#**

Notice:

New content of the message will replace the old one.

The alarm message must be less than 128 letters.

## **PARAMETER**

Network:

W-C1 HSDPA/UMTS 850/1900 MHz

GPRS/GSM 850/900/1900 MHz

W-C2 HSDPA/UMTS 900/2100 MHz

GPRS/GSM 850/900/1800 MHz

Transfer rate : down and up link data rate up to 384 kbps

Camera : 300,000 Pixels CMOS

Video call standard : 3GPP QCIF 176×144

Infrared LED : 6 LEDs

Mirco SD (TF) support : 8GB Max

RF controller and sensor (W-1B) : 315MHz or 433MHz

Adapter : OUT 5V 1A

Li-ion : 1000mAh

Size : 98mm×72mm×28mm

Net weight (with battery) : 135g

## SMS order list

**Caution:**

- The messages can only include English letters, numbers, blank and symbols!
- No blank before password or first letter!
- The message must be ended by #

Function	Content
Change password	password#password#new password#
Define users	password#user#XXXX#XXXX#XXXX#
Check users	password#User# ? #
Delete users	password#User#
Arm/disarm	password#alarm#on/off#
Motion on/off	password#motion#on/off#
RF study	password#RF#study#
RF delete	password#RF#delete#
Define alarm receivers	password#alarmnumber#XXXX#XXXX#
Edit alarm message	password#alarmSMS#XXXXX#
Set time	password#time#hh/mm/dd/mm/yyyy#
Record	password#video#
Get help	Help# or password#help#
Get picture	Picture# or password#picture#
Check status	Status# or password#statue#
Picture rotation	password#camrotate#
Format SD	password#formatSD#
Set MMS url	Password#mmsurl#url address#
Set MMS proxy	Password#mmsproxy#ProxyIP#Proxyport#
Set APN	Password#APN#ANname#password#username#
Reset	Password#reset