

User Manual

BG668 36MP Series

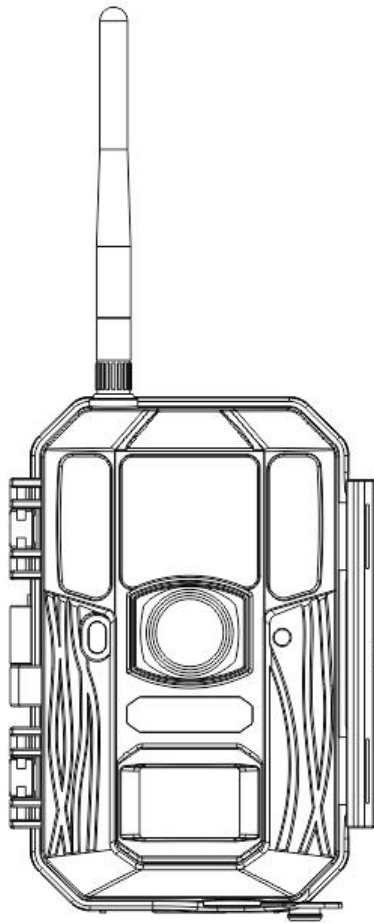


Table of Contents

1. Basic.....	- 1 -
1.1 General Description.....	- 1 -
1.2 Product View.....	- 2 -
2. Camera Operations.....	- 3 -
2.1 Batteries / Power Supply.....	- 3 -
2.2 SD Card Information.....	- 3 -
2.3 SIM Card Information.....	- 4 -
2.4 Camera Modes.....	- 5 -
2.5 Manual Image / Video Capturing.....	- 6 -
2.6 Manage Images and/or Videos.....	- 6 -
2.7 Sending Images via MMS/GPRS/Molnus.....	- 7 -
2.8 Trigger Modes.....	- 8 -
2.9 Password Setup.....	- 9 -
3. Camera Setup Settings & Display.....	- 10 -
3.1 Interface & Display Settings.....	- 10 -
3.2 Mobile Communication.....	- 11 -
3.3 Camera Setup Software.....	- 12 -
3.4 Cloud Service - Molnus.....	- 14 -
3.5 Mobile Applications.....	- 16 -
3.5.1 SMS Command List.....	- 17 -
3.5.2 BG Tools Usage Instructions for Android App..	- 18 -
3.6 Camera Setup Options.....	- 22 -
4. Detection Ranges – PIR Detection Zones.....	- 28 -
5. Technical Specifications.....	- 29 -
6. Parts List.....	- 30 -
<i>WARRANTY CARD</i>	- 31 -

1. Basic

1.1 General Description

BG668, a digital scouting camera with GPS and communications functionality, is a digital infrared surveillance camera that can be triggered by any human or animal movement, monitored by a highly sensitive Passive Infrared (PIR) motion sensor. After being triggered, the camera then automatically captures high quality pictures (up to 36M pixels) or records video clips (4K).

Password protection makes it impossible to enter the camera without a password, helping to protect the data.

GPS automatic positioning function, add longitude and latitude into image properties, can also send GPS information to mobile phone or Email, for viewing camera location.

BG668-E36WG/BG668-AU36WG

Can send pictures instantly to your mobile device or videos (less than 20M) to your e-mail via GPRS network.

BG668-V36WG/BG668-A36WG

Can only send pictures to your e-mail via GPRS network.

1.2 Product View

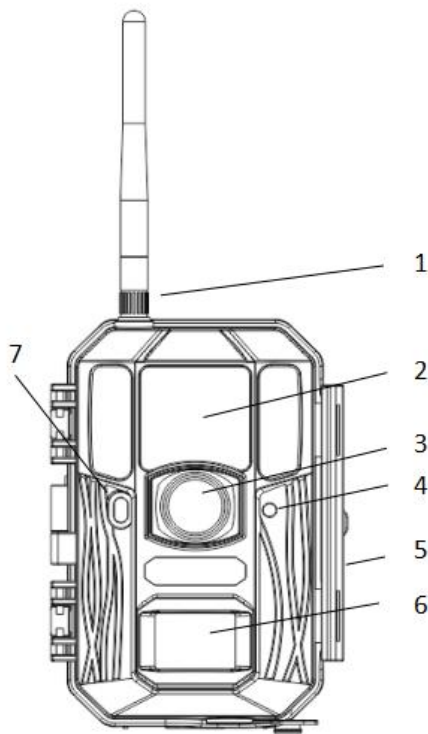


Fig. 1: Front View

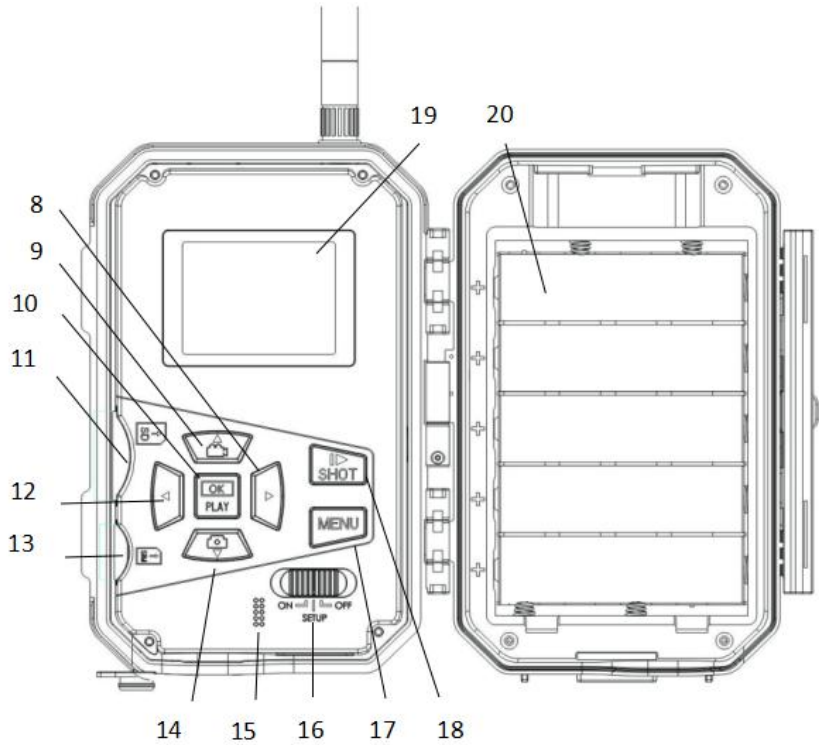


Fig. 2: Inner Panel View

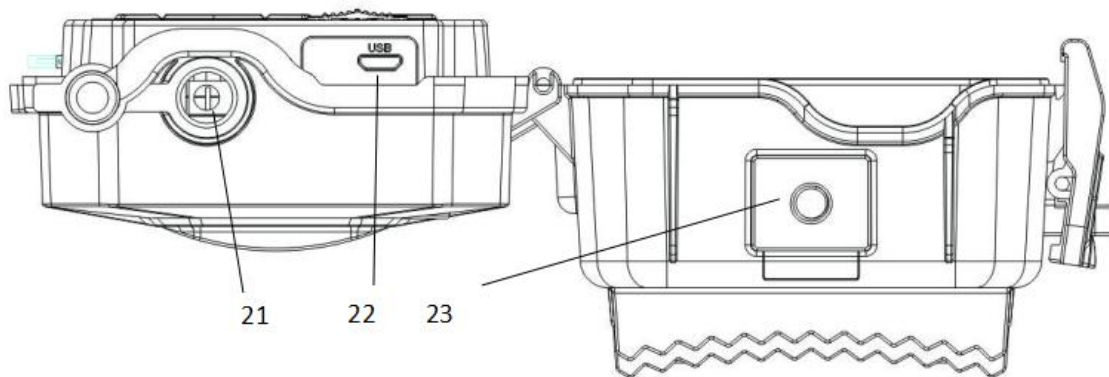


Fig. 3: Bottom view

1	Antenna	2	Infrared LED	3	Lens
4	Microphone	5	Lock	6	PIR
7	Indication LED	8	Right	9	Up/Video
10	OK/Play	11	SD Card Slot	12	Left
13	SIM Card Slot	14	Down/Photo	15	Speaker
16	Power Switch	17	Menu	18	Shot
19	LCD display	20	Battery Tray	21	DC In
22	USB Port	23	Screw Hole		

2. Camera Operations

2.1 Batteries / Power Supply

2.1.1 Powered by Batteries

① 4 or 8 AA batteries

High-density, high-performance rechargeable or non-rechargeable Alkaline batteries are recommended. You can also use NiMH batteries as well, each battery should be above 1.5V.

② 5 x 18650 batteries

Need to use Pointed Head 18650 Battery.

2.1.2 Power Supply

A DC 6-Volt, 2 A external power supply adapter can also be used to power the camera (not included).

2.2 SD Card Information

To take full advantage of the latest technologies, we recommend Class 10 SD cards or better, which have fast transfer speeds and long durability for extensive shooting in the most extreme outdoor conditions. Some SD cards are deemed Secure Digital High Capacity (SDHC) PRO cards, which work with SDHC compatible devices only. Please check that your product is compatible with SDHC cards.

- **Insert the SD card into the camera before turning on the camera**

This camera supports up to a 32GB capacity SD card, and has no built-in internal memory. The camera will not function without the SD card properly inserted into the camera.

- **Make sure the SD card is unlocked before inserting it into the camera**
- **If you experience any problems with an inserted SD card**
Try reformatting the SD card, utilizing the camera's main settings option.

2.3 SIM Card Information

- **Insert the SIM card into the camera before turning on the camera**

The camera SIM card slot is sized for a standard SIM card. If you have a nano or micro size SIM card, utilizing a SIM card adapter (included with most of our cameras) will be required to connect your camera to the cellular network via SIM card.

- **Supported 4G communication band**

BG668-E36WG

FDD LTE: B1/B3/B5/B7/B8/B20

TDD LTE: B38/B40/B41

WCDMA: B1/B5/B8

GSM: 900/1800

BG668-AU36WG

LTE FDD: B1/B3/B4/B5/B7/B8/B28

LTE TDD: B40

WCDMA: B1/B2/B5/B8

GSM: B2/B3/B5/B8

BG668-A36WG

LTE FDD: B2/B4/B12

WCDMA: B2/B4/B5

BG668-V36WG

LTE FDD: B4/B13

Note: The camera will still function without a SIM card. The SIM card is needed only for the wireless/cellular messaging capabilities.

2.4 Camera Modes

The different modes are accessed by sliding the power switch to the different positions marked on the camera. The power switch is located inside the camera on the bottom right of the LCD screen.

The different camera modes are as follows:

- **OFF Mode**

Turns the camera off. The camera will still consume a small amount of power while in “OFF” mode. It is recommended to remove the batteries if the camera will not be used for a long period of time.

- **TEST/SETUP Mode**

In this mode, the camera allows you to customize the camera settings or play back pictures and videos the camera has taken on the LCD display.

In this mode, the camera will automatically shut down after a few minutes of no operation.

- **ON Mode [Hunting Mode]**

The camera will take pictures or record video when motion is detected and/or at specific time intervals, according to the programmed settings. After switching the camera to the ON position, the red LED motion indicator will blink for about 1 minute and then turn off. This preset time allows you to adjust the camera's position if needed, before the camera becomes active.

2.5 Manual Image / Video Capturing

Place the camera in TEST/SETUP mode and press the “SHOT” button on the right of the control pad to manually capture photos or record video. Press “SHOT” again to stop capturing video.

2.6 Manage Images and/or Videos

Place the camera in TEST/SETUP mode and press the “OK/Play” button to view images or videos. The latest image or video will be shown on the LCD screen.

- **To view:**

Press ▲ or ▼ to view the next or previous image or video. Press “SHOT” to start a video.

- **To delete:**

Press OK in Test/Setup Mode to enter into Playback mode and access the pictures and videos. Press the ▲ or ▼ to toggle between photos to find the photo(s) to delete. Once selected, press the “MENU” button and the options Del One and Del All appear. Press OK

when the Del One option is selected. Press OK again to confirm you want to delete the picture or video selected.

2.7 Sending Images via MMS/GPRS/Molnus

Images can be sent directly to your wireless device or email, based on the Send Mode settings. Email and wireless device information must be set up while the camera is in TEST/SETUP mode. Images can be sent via MMS/GPRS/Molnus when a correctly set up SIM card is recognized, installed and the wireless signal strength is adequate.

You have the options of Molnus,email MMS, email GPRS, or phone MMS. To choose an option, enter the TEST/SETUP mode, click the menu button and scroll right until you reach the internet tab of the camera settings. Videos will be sent in less than 20MP. (The BG668-V36WG/BG668-A36WG will only have option: Molnus,email GPRS)

To manually send a photo:

- Put the camera in TEST/SETUP mode
- Wait for the camera to acquire a network signal and the SIM card to be recognized

 indicates the SIM card is recognized by the camera.

 indicates the SIM card is not recognized by the camera or the SIM card is not working due to connection/activation issues.

- Take a manual photo by pressing the “SHOT” button or press OK to view the photos stored on the camera

- Find the picture you want to manually send
- Press the MENU button to pull up the Send To: option that is currently set in the camera settings
- Press OK again to send the picture via the messaging option chosen in your camera settings

The Send Mode settings will dictate what time you want pictures sent to you. When in the ON mode, the options “Daily Report” and “Instant” will be active, allowing you to receive a daily report of all your photos taken or instant messaging of your photos being taken (based on your settings).

2.8 Trigger Modes

There are 3 different trigger modes for the camera: PIR Trigger/Sensitivity, Time Lapse, and a combined PIR/Time Lapse mode. These modes are activated by three different menu options (PIR Trigger/Sensitivity, PIR Interval, and Time Lapse).

- **PIR Trigger/Sensitivity**

In this trigger mode, the camera will activate when motion is detected. If the PIR Trigger/Sensitivity option is set to OFF, the camera will not respond to any motion within the camera’s trigger detection range.

- **Time Lapse**

In this camera mode, the camera will activate at the set time interval regardless of motion detection. If the Time Lapse option is set to OFF, this trigger function will be disabled.

- **Combined PIR/Time Lapse**

For the combination of both PIR and Time Lapse triggering, the following settings must be set correctly:

- PIR Trigger/Sensitivity must NOT be set to OFF
- The Time Lapse interval must be set to a non-zero value.

The camera will capture pictures or video when motion is detected and at the preset time(s), regardless of motion detection.

- If PIR Trigger/Sensitivity and Time Lapse options are BOTH OFF, the camera will not capture any photos or videos.

Additional PIR settings to note:

- **PIR Interval**

This setting indicates how long the PIR sensor will be disabled after each camera triggering. During this interval time, the camera will not react to any detected motion or activate at the scheduled Time Lapse interval.

2.9 Password Setup

Encryption settings, you need to enter your pre-set password to enter the camera, can play a role in protecting privacy, composed of four digits.

2.9.1 Press ▲/▼ to toggle between the number from 0~9,

Press ◀/▶ to choose a certain password position.

2.9.2 Your password must be entered twice to be taken into effect.

2.9.3 After your password has been successfully set up, you will need to enter this code to access your camera before each boot.

Note: Password Set is off by default, you can open it if you want to use. If you forgot your password, please contact us for help.

3. Camera Setup Settings & Display

3.1 Interface & Display Settings

To update the camera settings, place the power switch to the TEST/SETUP position.

To navigate the menus, utilize the following built-in buttons:

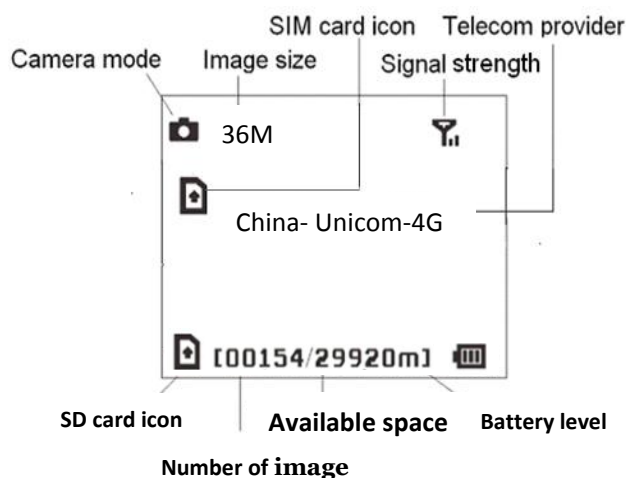
MENU: Enter the program menu in Preview Mode
Delete or Send an image/video in Playback

▲▼▶◀: Move between menu options (OK to select)

OK / PLAY: Save parameter settings and play videos

SHOT: Capture a photo or record a video manually

When the camera is in TEST/SETUP mode, the screen will activate and display the following:



 indicates the SIM card is recognized by the camera.

 indicates the SIM card is not recognized by the

camera or the SIM card is not working due to connection/activation issues.

3.2 Mobile Communication

The camera can receive and respond to commands sent via Molnus, SMS, MMS, GPRS to the Apple or Android application as long as the camera is correctly connected to a wireless carrier.

To enable the SMS functionality using the mobile application, you must complete the following steps:

- Place the camera in Test/Setup Mode and go into the Menu Setup options
- Set SMS control to ON in the second tab from the right in the camera menu.

For MMS and GPRS functionality, the following Menu Setup options will need to be set:

- MMS network settings (varies depending on carrier)
(not available for BG668-V36WG/A36WG)
- GPRS network settings (varies depending on carrier)
- Molnus settings (varies depending on carrier)
- Send to Phone option
BG668-E36WG/BG668-AU36WG: Molnus, MMS or GPRS
BG668-V36WG/BG668-A36WG: Molnus, GPRS

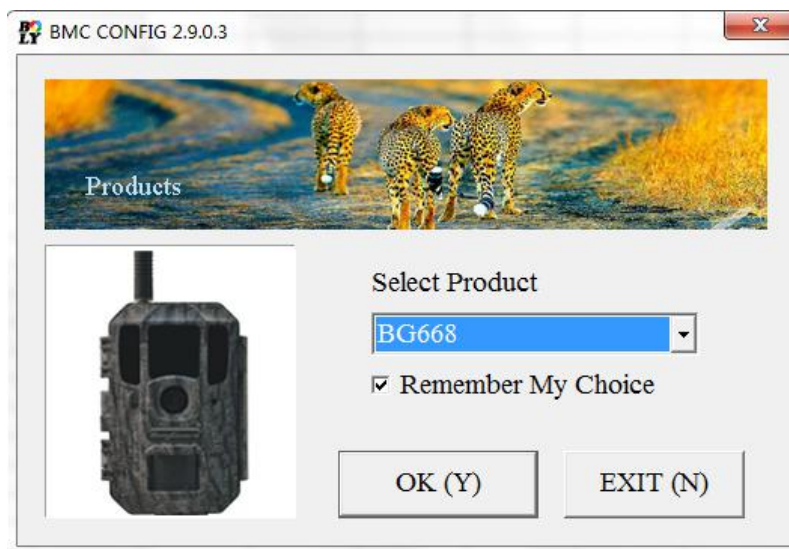
*The MMS functionality is not available for BG668-V36WG/BG668-A36WG.

The settings for the network options vary between service providers. You will need to contact your SIM service provider for specifics on these settings.

3.3 Camera Setup Software

For assistance with the camera setup, download the camera setup application (BMC_config.zip), along with the basic instructions both found from our website www.bolymedia.com/index/Support.

Open the software and your select camera model:



STEP 1: Select your country and carrier.

STEP 2: Check WAP/Internet Parameters:

Fill out the required fields (marked with an asterisk).

Input Email server such as “smtp.gmail.com” or “smtp.bolymedia.com.”

NOTE: If your email uses encryption techniques, please select the corresponding protocol. (e.g. when using Gmail select SSL to ensure the email is sent successfully).

BMC CONFIG : For BG668

Boly Media Communications Co., Ltd. (BMC)

Step 1 WAP / Internet Setting

Select Country Select Operator

Australia	China-Mobile
Austria	China-Unicom
Canada	China-Unicom-3G
China	Others.....
China HongKong	

Step 2 Check WAP / Internet Parameters (L)

Step 3 Camera Setting

Click "Default Setting" button if you don't know how to modify camera parameters !

Default Setting (D)

Change Setting (C)

Customer Information Setting

Admin...Number : 150XXXX1234 Receive Email 1 : ☒ *

Phone Number 2 : 150XXXX1234 Receive Email 2 :

Phone Number 3 : Receive Email 3 :

Phone Number 4 : Receive Email 4 :

Attention Please ,The Data Above Will Be Saved In The Following File:

E:\GSM\BG668.BIN

Step 5

SAVE (Y) EXIT (N)

WAP / Internet Parameters

Current WAP / Internet Parameters As Follows, You Can Modify Highlighted 4 Items If Necessary !

WAP Setting

MMS URL : http://mmmc.monternet.com *

MMS APN : cmwap PORT : 80 *

MMS IP : 10 . 0 . 0 . 172 *

ACCOUNT :

PASSWORD :

CLEAR PARAMETERS (C)

Internet Setting

SEND EMAIL ADDR : bolyguard@bolymedia.com *

SEND EMAIL PWD : ***** *

SEND EMAIL SERVER : smpt.bolymedia.com *

GPRS APN : cmnet PORT : 80 *

GPRS ACCOUNT :

GPRS PASSWORD :

OK (Y) Cancel (N) **Advanced... (V)**

Advanced Setup

SMTP Server

☐ Enable encryption (E)

☐ This service requires SSL (S)

☐ This service requires STARTTLS (T)

OK (Y) Cancel (N)

STEP 3: Choose between default or manual settings. For first time users, we suggest using the default settings.

STEP 4: Input your phone's number to receive/send the remote commands and images in the “administrator number” field, followed by your email address in the “Receive Email 1” field (This is NOT the phone number of the inserted SIM card that resides in the camera).

STEP 5: Save the .bin file in the GSM folder of the SD card after all settings are complete. The program names the .bin file. The .bin file must be loaded into the specific camera's GSM folder.

If your country or SIM card provider is not listed, select “Others”. You will need to ask the SIM card provider for their specific MMS URL, MMS APN, Port, MMS IP, Account, Password, GPRS APN, GPRS account, and GPRS password. For sending emails, your email service provider will be able to provide the send email server and port settings.

Note: Once the SD card is inserted in the camera and the camera is turned on, this file will automatically upload to the camera and delete from the SD card.

3.4 Cloud Service - Molnus

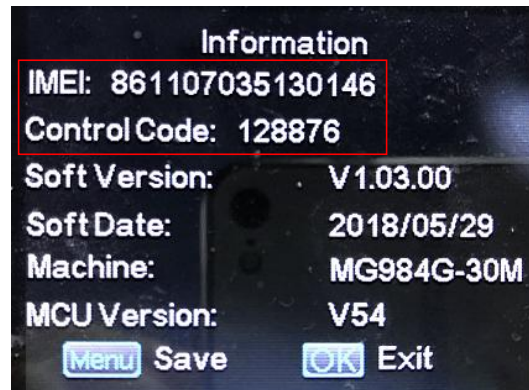
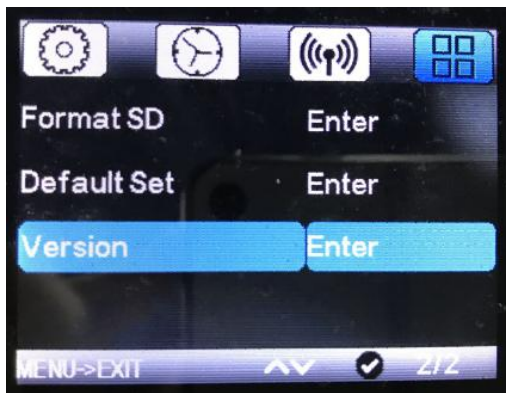
Molnus is a cloud service that allows you as a user of a compatible camera to transfer and store images taken through the cameras and making it accessible on compatible devices and computers.

To get started, you need to supply the camera with batteries and a SIM-card that has internet access.

You also need to have the phone number and the APN name to the SIM-card you will use for the camera.

The APN name is provided by the operator of the SIM card. Each operator has their own APN name. If not present in any documents that was sent along with the SIM-card, then please check the operator' s homepage for APN settings.

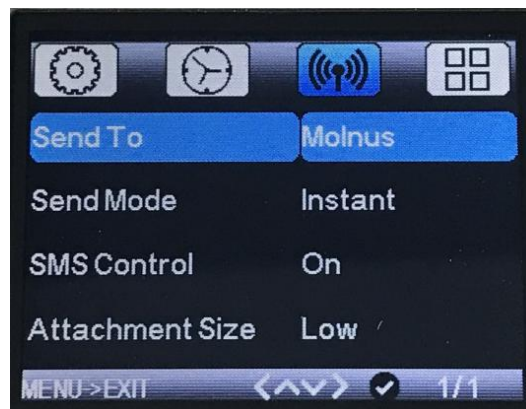
IMEI,Control Code can find on your camera,need a SIM-card that has internet access,then start the camera in SETUP mode, and when it shows the operators name in camera display, it' s time to check Version.



Step1 Register your Molnus account.(In Molnus)

Step2 Login to your Molnus account and go to the My Cameras page.(In Molnus)

Step3 Slide the functions switch to SETUP position on your camera,and make sure Send mode is “Molnus”.(On camera



Step4 Press the Register camera button to register your camera.(In Molnus)

Step5 Slide the functions switch to ON position on your camera, and quickly place the device with the camera facing an area with no movement, for example against an wall.(On camera)

Step6 Press the Register button In Molnus, and wait for about 5 minutes.(In Molnus)

The registration should now be done, and camera should now be able to upload images to Molnus.

Test the function by making some moment in front of camera. Within some short time, the images will show up in Gallery In Molnus.

If you would like to use Molnus on your smartphone, then please download the Molnus app on Google Play or Apple's App Store.

For more details please refer to the Molnus website:

<https://www.molnus.com/>

3.5 Mobile Applications

When the camera is switched to the ON mode, you can change some of the basic camera settings through the mobile application. There are currently apps supported by Android and Apple devices. Charges or fees may apply when sending text messages to the camera depending on your cellular provider.

- For Android, you can search **BGTools** from the Google store, or download the application directly from our website under the *Downloads* section:
<http://www.bolymedia.com/index/Support>

- For Apple, search BGTools in the official Apple App store.

3.5.1 SMS Command List

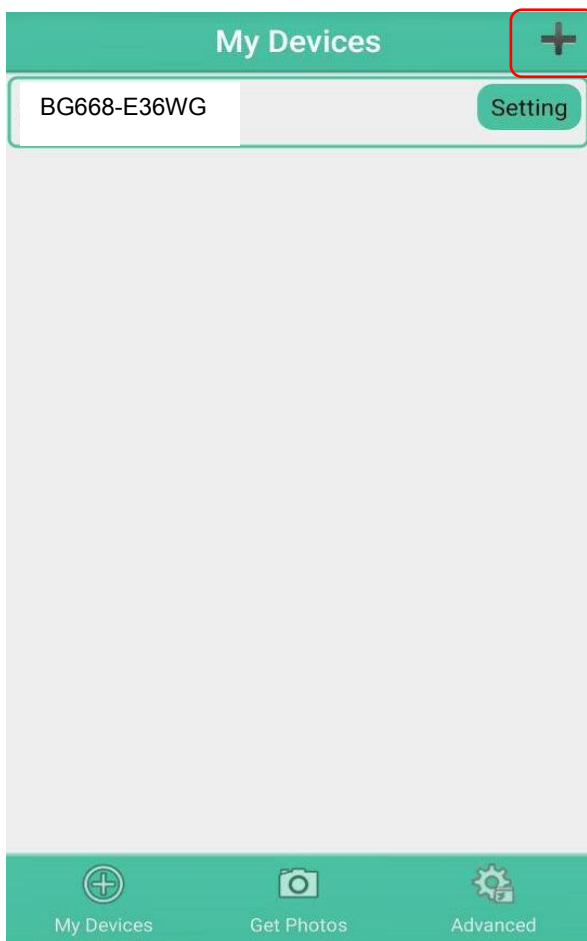
No.	Function	SMS Command
1	Set MMS Parameters	#m# http://mmsc.cingular.com#66.209.11.32#8080#wap.cingular#account#password# (The example parameters are for if your carrier is AT&T)
2	Set GPRS Parameters	#s# bmctest123@163.com#bmc123#25#cmnet#smtp.163.com#account#password# (The example parameters are for if your email host is 163)
3	Set Receive Email Address	#r#bmc1@sina.com#bmc2@sina.com#bmc3@bmc3@sina.com#
4	Get On Spot Photo	#t# (Send MMS to phone) #t#e# (Send picture to Email by GPRS)
5	Check Camera Settings	#L#
6	Edit Work Parameters	#e#cp#s5#fh#b1#v6o#t#l1om#pn#i5s#Hon08:30-20:30 (cp: camera mode, s5:photo size, fh: video size, b1:photo burst, V6o: video length, t: set clock, l1om: time lapse, pn: pir trigger, i5s: PIR interval, mp: send to, Hon: work hour)
7	Format SD Card	#F#
8	Help	#H#

3.5.2 BG Tools Usage Instructions for Android App

The Android APP makes it easy to communicate with the camera, so you don't need to edit the SMS.

STEP 1: Open the BG Tools app and click on the icon  to add a new device.

STEP 2: ①Input the model of your camera ②Input your SIM card number, which is inserted in your camera ③Select your camera model number, then click “Add” to finalize.

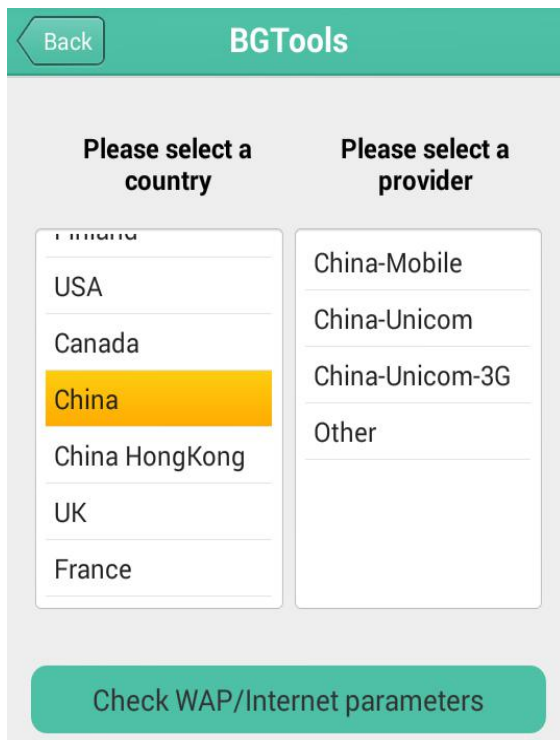


STEP 1



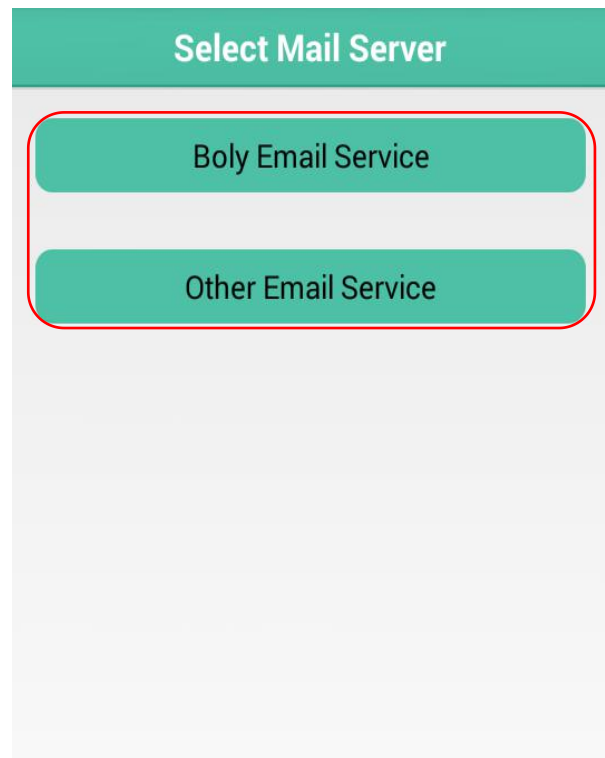
STEP 2

STEP 3: Click “send”, then choose the country and provider that corresponds with your SIM card (that you inserted into the camera). Afterwards, Click “Check WAP/Internet Parameters” to check whether you have all the required parameters filled in. The “User name and User Password” is your MMS name and password.



The screenshot shows the BGTools interface. At the top, there is a green header with a 'Back' button and the title 'BGTools'. Below the header, there are two columns. The left column is titled 'Please select a country' and contains a list of countries: USA, Canada, China (highlighted in yellow), China HongKong, UK, and France. The right column is titled 'Please select a provider' and contains a list of providers: China-Mobile, China-Unicom, China-Unicom-3G, and Other. At the bottom of the interface, there is a green button labeled 'Check WAP/Internet parameters'.

STEP 3



The screenshot shows the 'Select Mail Server' interface. It has a green header with the title 'Select Mail Server'. Below the header, there are two buttons: 'Boly Email Service' and 'Other Email Service'. Both buttons are highlighted with a red border.

STEP 4

STEP 4: In the Select Mail Server, you can decide on having Boly Email or Other Email service. Select “my device” to add or delete a device.

STEP 5: Select “Setting” to set users parameters or set to default.

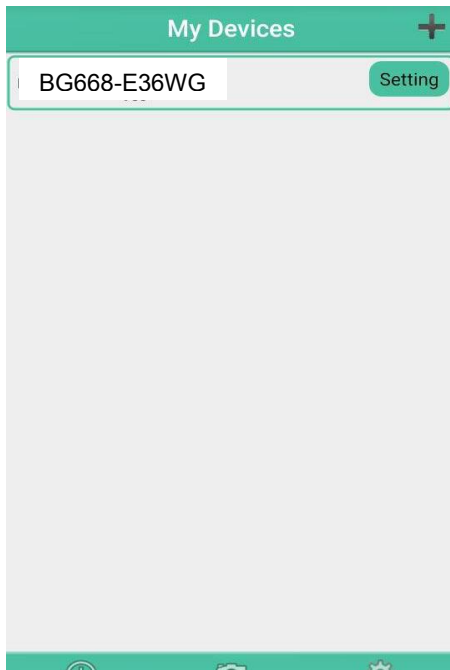
STEP 6: Select “Get Photos” to get a photo from your camera device.

Images can be sent two ways:

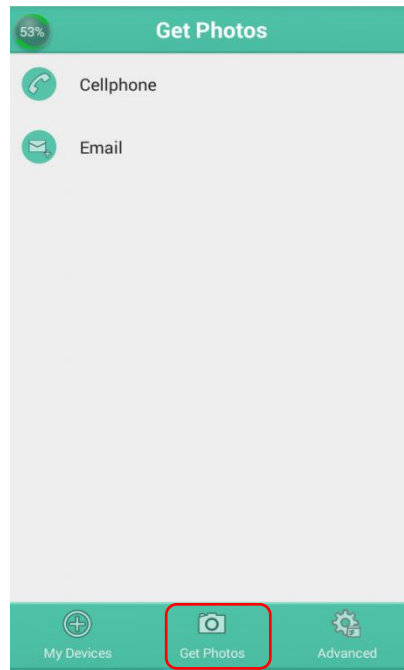
Cellphone: Sends MMS to phone (*not available for BG668-V36WG/BG668-A36WG*)

Email : Sends to email by GPRS.

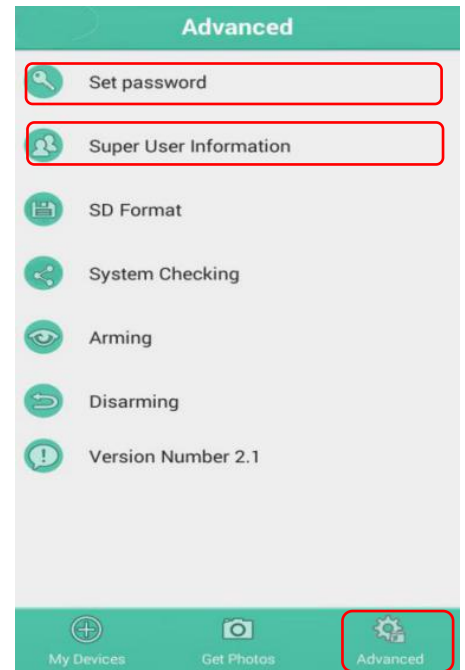
STEP 7: For more settings, select “Advanced” to change password, set up your Super User Information, System Checking, Formatting the SD card, Arming, or Disarming.



STEP 5



STEP 6



STEP 7

Set password:

If you forget your Super User password, you can get a new one.

Super User information:

Change your Super User and password in the advanced settings section.

Add or Delete a device:

Android:

Select “My Device” to add a device.

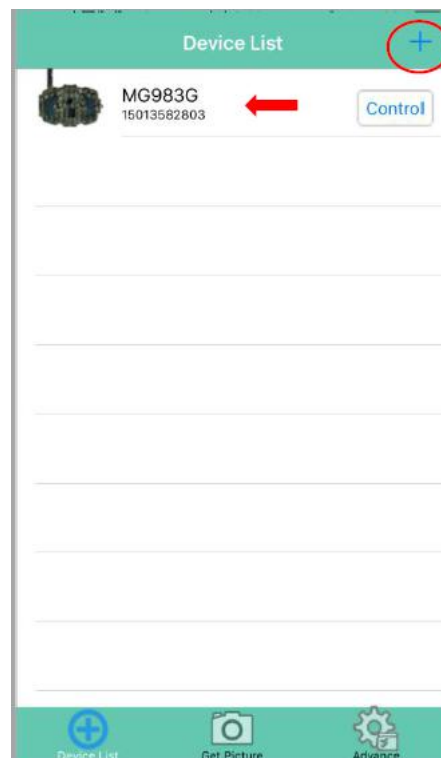
Holding down the “My Device” button gives you the option to delete operations."

IOS:

In order to add a device, click“  ”to delete a device, slide the device to left.



Android



IOS

3.6 Camera Setup Options

To view the camera settings menu, slide the power switch to TEST/SETUP mode . Use the ► or ◀ keys to toggle between the sub-menus. Use the ▲ or ▼ keys to select the different options. Press “OK” to save the settings.

After changing EACH setting in the Setup menu, you must press OK or the camera will retain the previous setting.

*Depending on the model and firmware version, not all Menu options may be available on your specific camera. The menu options with * are not available for BG668-V36WG.*

Menu Options	Descriptions
Basic Settings	
Camera Mode	Choose between capturing images, videos or both at the same time: Photo, Video, Pic+Video Default: Photo
Photo Size	Choose the image size: 14MP, 25MP or 36MP (mega pixel) options are available. Default: 36MP
Video Size	Choose the video size: 3840*2160, 2560*1440, 1920*1080, 1280*720, 640*480 Default: 3840*2160
Photo Burst	Choose the number of photos taken after the camera is triggered: 1 Photo, 2 Photos, or 3 Photos. If Pic+Video is selected, Photo burst defaults to 1 photo, regardless of entered value. Default: 1 Photo
Video Length	Choose the duration of the video recording: Valid values extend from 5 to 180 seconds with a one second delay. Press the ► or ◀ keys to decrease

	or increase the video length. Default: 10 seconds
Clock Settings	
Set Clock	Set the cameras date and time. The date format is month/day/year. The time format is hour: minute: second.
Time Lapse	The camera can capture images or videos at a preset time interval regardless of motion detection. Changing this setting to a non-zero value turns on Time Lapse mode and the camera will take photos at the set interval time – Values range from 5 minutes to a maximum of 8 hours. <i>If PIR Trigger/Sensitivity and Time Lapse options are BOTH OFF, the camera will not capture any photos or videos.</i> Default: OFF
PIR Trigger/ Sensitivity	This setting is for the sensitivity of the PIR sensor. There are four sensitivity parameters: High, Normal, Low and Off. It is recommended to use HIGH sensitivity in areas with little environmental interference or warmer, humid temperatures or climates. Use LOW sensitivity for areas that have a lot of interference. The sensitivity of the PIR is affected by temperature. Higher temperatures lead to lower sensitivity. <i>If PIR Trigger/Sensitivity and Time Lapse options are BOTH OFF, the camera will not capture any photos or videos.</i> Default: Normal
PIR Interval	This setting indicates how long the PIR sensor will be disabled after each camera triggering. During this time the PIR sensor will not react to any detected motion or scheduled timer functions. The PIR Interval can be set between zero seconds to a maximum of 1 hour. Press LEFT or RIGHT to decrease or increase the desired PIR Interval time. Default: 5 seconds
Work Day	Choose the days of the week you want the

	camera to work. <i>This setting is only available in Hunting Mode.</i> Default: All
Work Hour	This setting allows the camera to be active only during the set period of time per day. If activated, the camera will NOT take pictures or video outside of the specified working hour, regardless of any other setup option settings. The values are set to military time that range from 00:00 to 23:59. Default: OFF
Send settings	
Send To	Sending images to your phone/email/Molnus. * Phone [MMS]: Send the image to cellular device via WAP. <i>(not available for BG668-V36WG/A36WG)</i> * Email [MMS]: Send the image to email address via WAP. <i>(not available for BG668-V36WG/A36WG)</i> Email [GPRS]: Send the image to email address via SMTP. Molnus: Send the image to Molnus via WAP. Default: Molnus
*Phone MMS <i>(not available for BG668-V36WG/A36WG)</i>	The camera sends images to mobile phone. Required MMS settings: URL, APN, IP, Port, Account, and Password. Contact your cellular or network service provider if you are not familiar with the settings. “Phone1-Phone4” represents the receiving phone number.
*Email MMS <i>(not available for BG668-V36WG/A36WG)</i>	The camera sends images to email address via WAP. Required MMS settings: URL, APN, Account, Password, IP and Port. Contact your cellular service provider if you are not familiar with these settings. “Email1-Email4” represents the receiving Email address. You can add up to 4 email

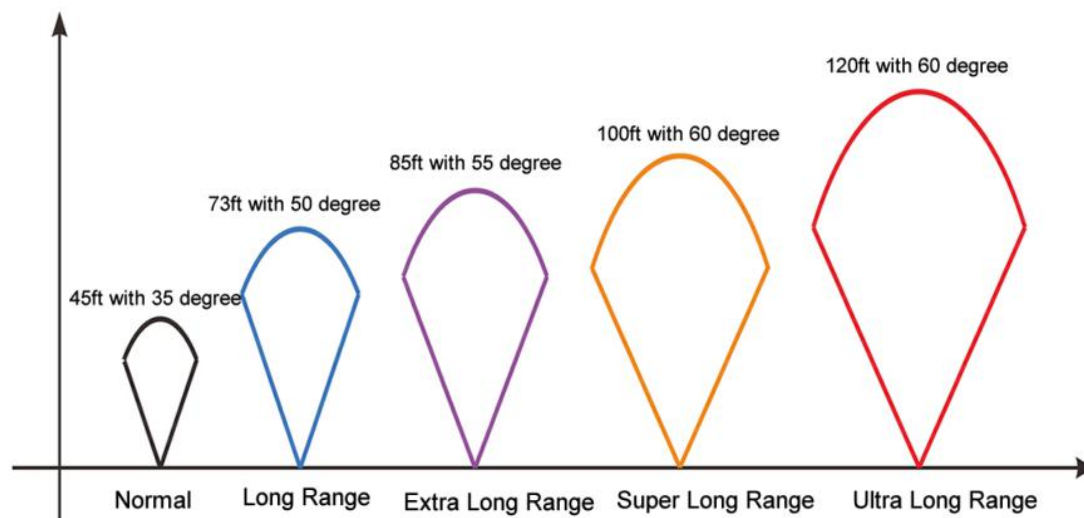
	accounts.
Email GPRS	The camera sends image to your email address via GPRS network with SMTP protocol. Required GPRS settings: APN, Account Password, Server, Port, SSL. Contact your cellular or network service provider if you are not familiar with the settings. “Email User and Email password” represents sending your email user and password. “Email1-Email4” represents the receiving Email address.
Molnus	The camera sends image to email address via GPRS. Required settings: APN, Molnus Account/ Password, SIM IMEI & Control Code. The APN name is provided by the operator of the SIM card. Molnus Account/ Password: Register in the web by yourself. SIM IMEI & Control Code: check the camera Version Enter, need to insert the SIM card and get the network.
Send Mode	There are 3 options for this setting: • Instant: Only works in ON mode. The camera will send a message instantly after it captures a photo or video. • Daily : Only works in ON mode. Photo Mode: This setting will send summarized information and the last picture taken at the end of setup. Video Mode: The summarized information will include how many videos were taken and the last video taken at the end of setup (less than 10M). Pic+Video Mode: The summarized information will include how many videos and pictures were taken and the last picture taken at the end of setup. • OFF: Disables all communication functions. <i>Please Note: Some cellular carriers limit the size of files being sent. Some image and video files</i>

	<i>may be too large to send.</i> Default: Instant
SMS Control	SMS Control enables mobile communication functionality. When SMS Control is ON, the camera can receive and respond to your SMS commands. Default: On
Attachment Size	Setting the picture size sent to your phone or email. There are 3 options for this setting: Low: Sends severely compressed picture. Normal: Sends slightly compressed picture. *High: Sends the original pictures. <i>(not available for BG668-V36WG/A36WG)</i> Default: Low
GPS	Automatic positioning function, add longitude and latitude into image properties, can also send GPS information to mobile phone or Email, for viewing camera location. Default: OFF
Others	
Language	Choose the language you prefer. Language options include: English, Suomi, Deutsch, Svenska, Dansk, Norsk, Czech, Russian, Italian and French. Default: English
Beep Sound	Enable or disable the sound the camera will make while navigating the menu settings. Default: On
Camera Position	Used for multiple cameras in an area. You can set an A-Z indicator for each of your cameras in order to distinguish between which photos are from specific camera. Default: OFF
Recycle Storage	In hunting mode, when the SD card is full, the first images or videos will be covered by new getting pictures or videos. So that you don't need to retrieve your memory card manually. But in SETUP mode, SD can't recycle storage. Default: OFF

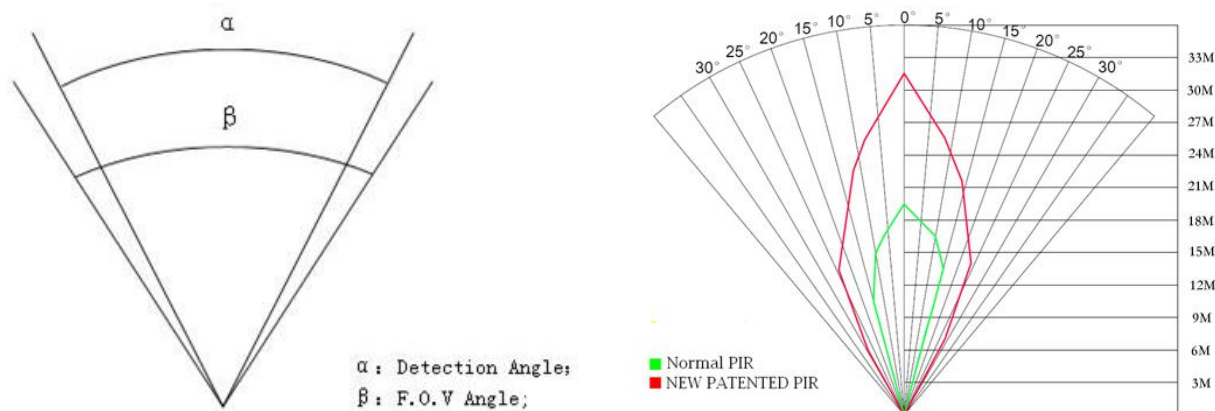
Format SD	All information on the SD card will be deleted. Make sure you made a backup of important data on the SD card.
Default Settings	Restore all settings back to the default values.
Version	Shows firmware and IMEI (International Mobile Equipment Identity) information of the camera.
Password Set	Power-on password, set up after you need to enter your pre-set password to enter the camera, composed of four digits. Default: OFF

4. Detection Ranges – PIR Detection Zones

This picture shows Bolymedia's 5 types of detection ranges at various detection angles. This camera has a super long detection range with a 60 degree FOV angle.



The PIR detection angle (α) is smaller than the field of view (FOV) angle (β). The advantage of this design is to reduce empty picture rate and capture most, if not all, motions.



This camera has a new, patented design of the PIR. The new patented PIR's detection range can reach to 100ft (in good environments). The previous picture shows the compared detection zone between normal PIR and the new patented PIR.

5. Technical Specifications

Picture Resolution	14/25/36MP
Video Resolution	3840*2160,2560*1440,1920*1080, 1280*720,640*480
Video Length	5 to 180 Sec
Detection Range	100ft.
Illumination Distance	100ft.
LED Type	940nm
LED Number	50pcs
Image Sensor	14MP Color CMOS
Aperture	<i>f</i> / 2.4
Field of View	110°
Memory Card	32GB Max
Display Screen	Built-In 2" LCD
Sound Recording	Yes
Operating Ambient Temperature	-20℃ ~ + 60 ℃
Relative Humidity	5% to 90% Noncondensing
Dimensions	145.1*103.8*82mm
Unit Weight	0.40Kg
Power Supply	4 or 8 AA Batteries 5 Pointed Head 18650 Batteries 6V,2A External Power Supply
Standby Power Consumption	<0.3mA(<7mAh/Day)
Compliances	FCC, CE, RoHS

6. Parts List

Part Name	Quantity
Digital Camera	One
USB Cable	One
Mounting Bracket	One
Belt	One
User's Manual	One
Antenna	One

Version 1.1

WARRANTY CARD

Customer Name: _____

Contact Address: _____

Date of Purchase: _____

Contact Tel: _____

Model No.: _____

Series No.: _____

Retailer: _____

The camera manufacturer provides 12 months warranty for this product against manufacturing defects or malfunctions. If your camera fails to function under normal use within 1 year, the camera manufacturer will repair or replace the camera for free of charge. Improper use of the camera resulting in damage is not covered by this warranty. The camera manufacturer can provide extra service for your camera after the warranty expiration, but the customer have to be responsible for extra charges on parts, labor and shipping costs therefore brought.

Please contact your reseller for warranty service