S660 Series
Scouting Trail Camera

USER'S MANUAL

Contents

Dear customers, thank you for choosing our S660 Series infra-red hunting camera. Please read this manual before using the camera. And please keep it well preserved.

1. General Information

1.1 Features:

- Programmable 5/8/12 Megapixel high-quality resolution.
- Specialized compression format: AVI
- 24PCs IR LED for flash range as 50 feet.
- With 8 AA alkaline batteries, the longest standby time is up to 6 months.
- Available operation temperature: -25℃ to 60℃(-13℉ to 140℉)
- Impressive quick trigger time: 0.8-1s
- In Interval setting, the camera automatically and constantly takes pictures or videos at set interval. This function is specialized designed to monitor unattended objects, such as cold-temperature animal snakes or to observe flowering, dolphin swimming, etc.
- With specified Timer Setting, camera will be programmed to work during the set time every day. This function can work together with Interval setting.
- Time stamp of photos and video enables you to identify where and when the camera shot photos.
- Built-in 2.4" TFT color screen to review photos and videos in camera.
- Date, time, temperature and moon icons can be stamped onto photos.
- Green lights will flicker when the battery power is low.
- All transmitted photos will save into SD card as well.
- Multiple photos-shot ensure you get clear images of objects.
- Audio Recording brings you heart pumping like never before.
- Two different TV OUT settings help you review photos even from Television.

1.2 Introduction of Function

S660 Series adapts IR thermo stimulation technology. Camera will automatically photograph or shoot videos when triggered by moving object.

This product is mainly used in housing security, monitoring wild animals, and tracking. Camera is under energy saving mode while nothing is detected in the reachable monitoring zone. With 8 AA alkaline batteries, the longest standby time could be around 6 months. (Time to initiate is approximately 1sec).

This product has been equipped supplementary IR LED lights and specialized CMOS photosensitive chip which can automatically power on IR LED lights during dark night to capture clear black-and-white photos or videos; when the light is bright enough, the IR LED will be off and camera will capture colorful photos or videos.

With the high-qualified waterproof shell, this product can be set at wild fields. Please set it 2M high above the ground, avoid the cloud thunder whether, avoid high temperature air vent, and do not bring it to dive.

1.3 Application

S660 Series is an ideal product for housing security, warehouse surveillance, and monitoring wild animals with its camouflage appearance and nice shape. It is convenient to install or fasten, could be used to take photographs manually and carry on long-time videos in **Test** mode.

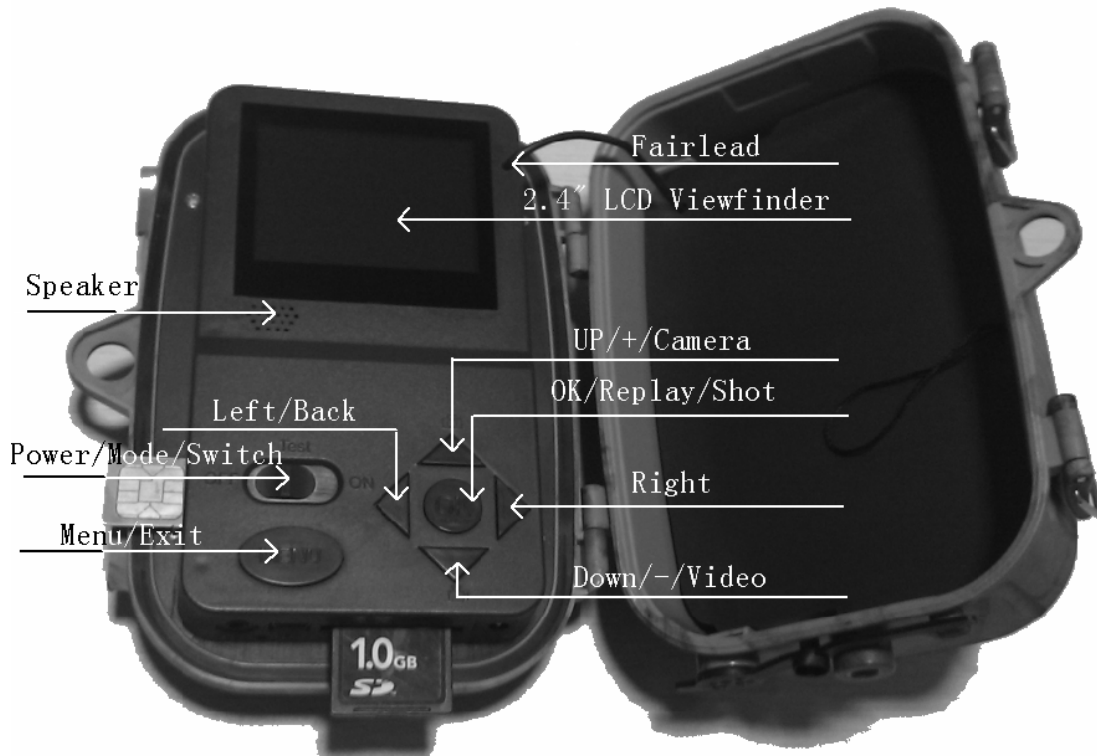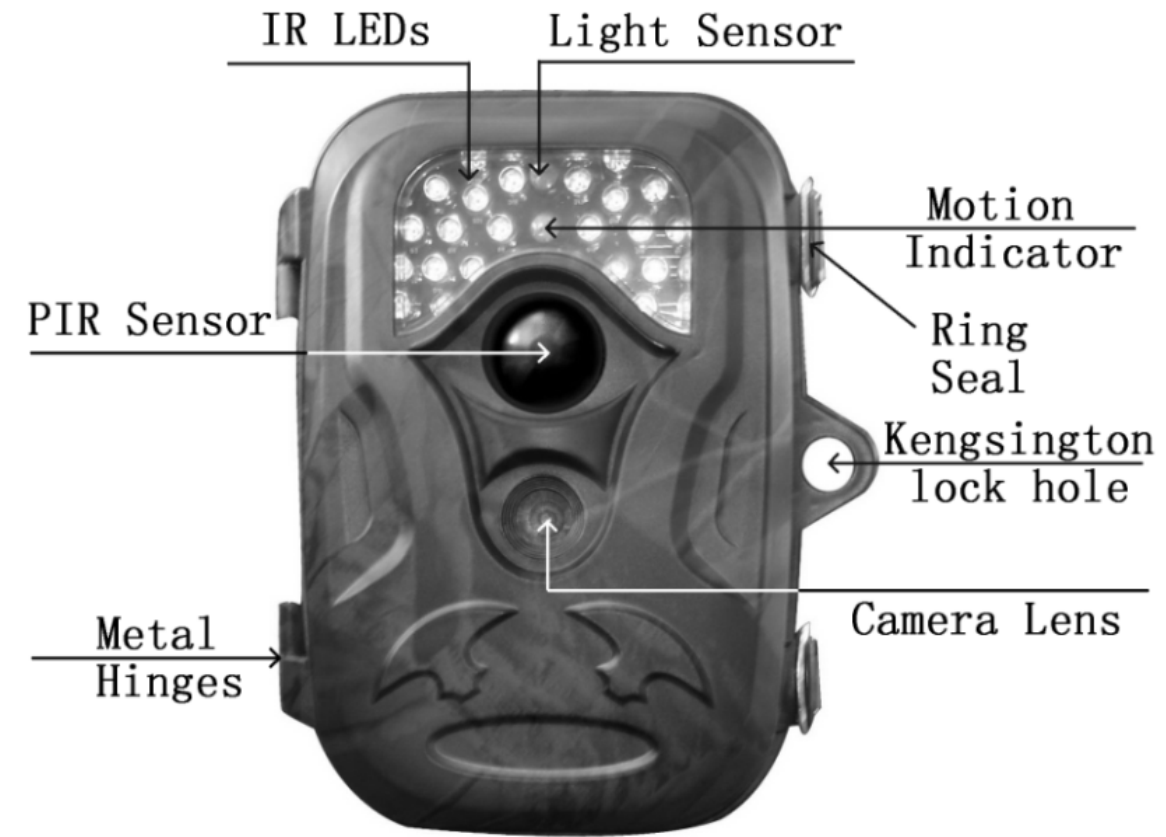**a. Instant surveillance camera for home, office, construction site, and warehouse, etc.;**

b. Motion-triggered infra-red night vision surveillance;

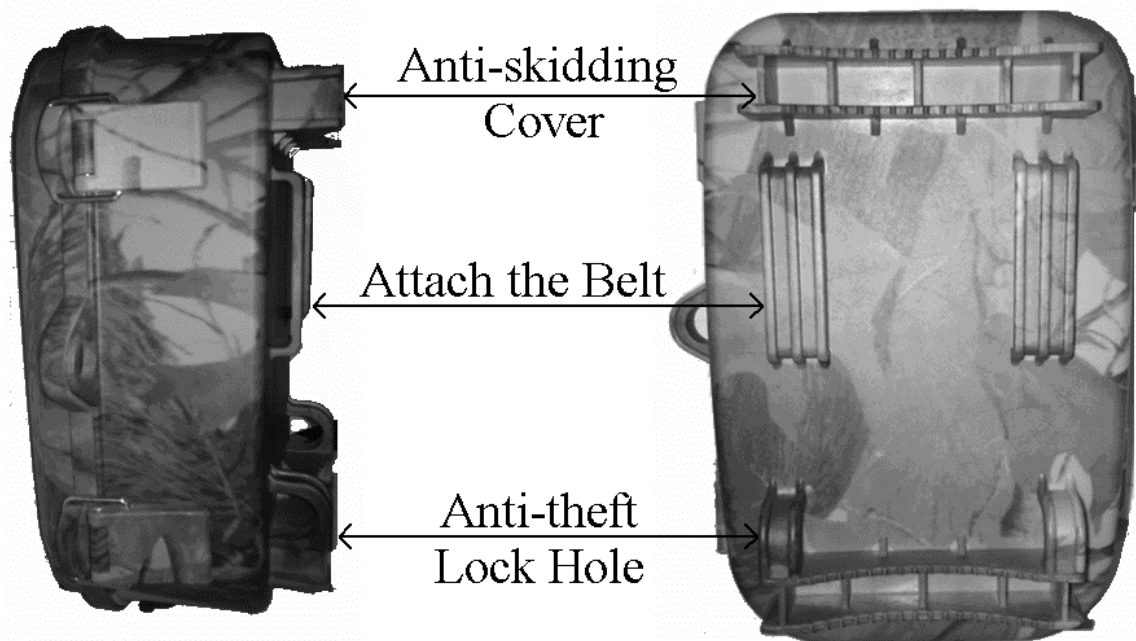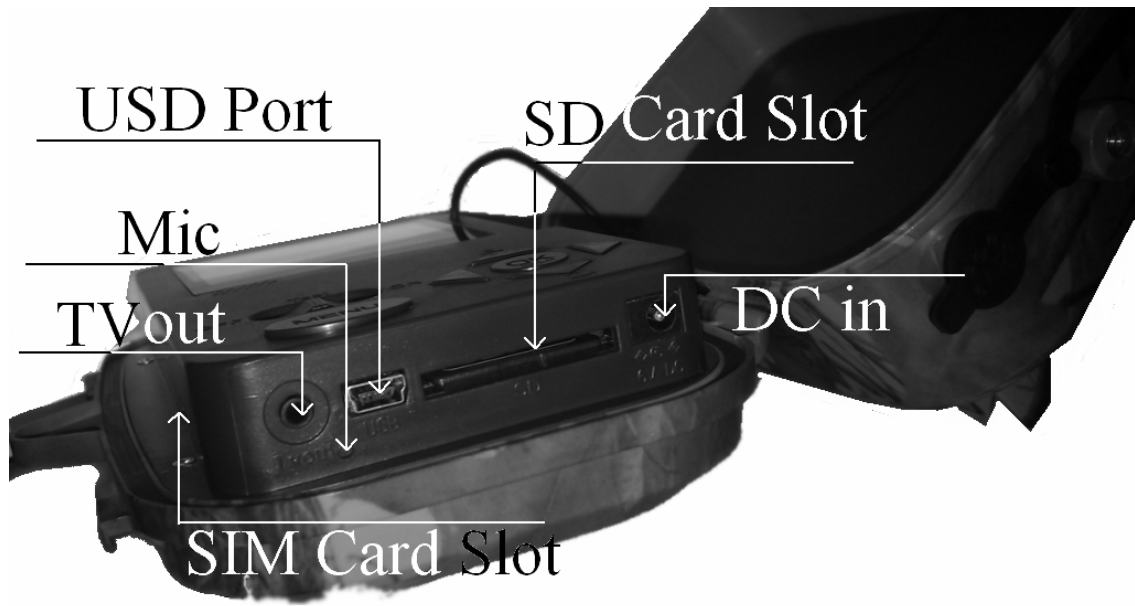**c. Animal oberservation and hunting;**

1.4 Attention:

1. Insert the SD memory card correctly, camera does not support SD card hot swap (insertion).

2. Please use AA battery with good quality in order to prevent battery cells from corrosion of leaked acid.

3. Use right adaptor (DC12V/1A) of this camera to supply power, and do not invert the electrode when put in batteries.

4. In **Test** mode, camera will automatically power off in 30S without any operations. Please manually turn ON it as if you want to use it again.

5. Don't interrupt power supply during system upgrade, please deliver it back to factory if the device doesn't work after upgrading.

6. Do not frequently insert or pull out SD card and battery or plug in and out the adaptor when the camera is on.

7. Do not have any floating objects, such as leaves, strings, or ribbons in the 3M motion detection zone of cameras, to avoid mistaking photograph or videos.

8. Do not keep camera next to hot irrelevant objects, air conditioner exhaust vents, and light, etc. to avoid mistaking photos or videos.

2. Whole View and Details of S660 Series

IR LEDs   Light Sensor

Motion Indicator

PIR Sensor

Ring Seal

Kengsington lock hole

Camera Lens

Metal Hinges

Fairlead

2.4″ LCD Viewfinder

Speaker

UP/+/Camera

OK/Replay/Shot

Left/Back

Power/Mode/Switch

Right

Menu/Exit

Down/-/Video

1.0GB

(Not Speaker function for this version)

USD Port
SD Card Slot
Mic
TVout
DC in
SIM Card Slot

Anti-skidding
Cover

Attach the Belt

Anti-theft
Lock Hole

3. Brief Operation Manual

Camera stores files in SD memory card. Picture format is (.jpeg); video format is (.AVI).

SD card has its corresponding card slot. Camera storage capacity is 4GBB-32GB, and system file formats are FAT32 and FAT16.

Please choose stable high-speed SD card to achieve ideal photographing speed.

Attention:

Close SD card protection first to edit files or to format SD card system.

Please insert SD card into the right position.

Strongly suggest you use the camera to format SD card as if it is the first time for you to use it.

(Not MMS function for this version)

3.1 Power (two ways power supply)

3.1.1 load in 8 AA alkaline or chargeable batteries corresponding to the right electrode.

Note: Attention "+", "-" of the battery

3.1.2 external direct-current power supply: input, 110 ~240V，50/60Hz; output: 12 V/1 A (connect camera first, then plug in the adaptor.)

3.1.3 In "**Test**" mode, camera will automatically power off in 30S to save power.

3.1.4 Indicating light functions,

A. Switch on--green light flickers for 5 seconds before camera gets into stand-by mode

B. **SET** mode-- red light on

3.2 Turn on camera (look the picture on right side for reference.)

You can turn on camera after you correctly insert SD card and put batteries in or plug adapter into the plug slot.

Three modes,

OFF

TEST (testing and parameters setting)

ON (IR intelligent automatically monitoring)

3.2.1 Test Mode (in the middle position of the switch)

Operations of Test mode are,

①System setting of camera (press MENU to select)

②Manual photographing and video-recording (press UP/Down to choose to take photo or video)

③Watch via LCD viewfinder to set

④Playback video (press right key to playback picture or video file, up or down key to choice, ok key to playback)

3.2.2 Switch to "ON" to initiate IR intelligent working mode

Wait for 5 seconds after the green light went out. Then **IR** mode has been initiated.

Four-way controller keys & function confirm button
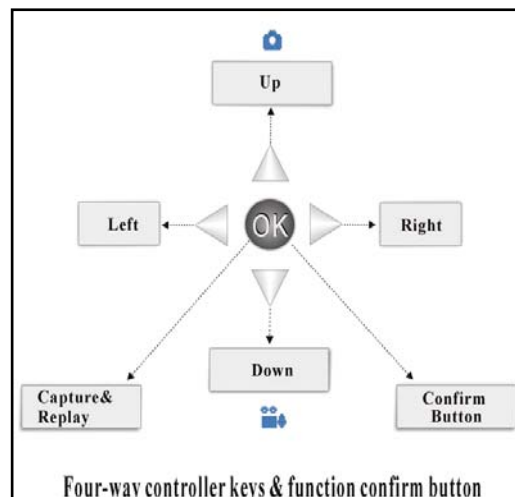
(If there is moving objects get into motion detection zone, camera will take videos corresponding to user's previous settings.)

(Attention: in the mode "**ON"**, LCD viewfinder and all function keys stop working, nothing will be showed on the screen)

4.1 Keys instructions：

4.1.1 OFF/TEST/ON：Put the switch to OFF, shut off；put the switch to TEST， Screen will display，can settings menu or playback photo and video file etc； put the switch to ON， screen will close， camera will enter PIR motion detection status.

4.1.2 MENU key： Press menu key to enter menu settings， UP/Down key to choice，OK key confirm or exit.

 It is photo mode before press MENU; it is a UP key after press MENU.

 It is video mode before press MENU; it is a DOWN key after press MENU.

 Right Key，it is a playback key，and can playback photo or video files with UP/Down to choice，and video files can press OK key to play.

 Left Key，it is a delete key，and delete current or all with UP/Down to choice, and press OK key to confirm delete.

4.1.3 AA Battery Box：Open it and put 8pcs AA recharge batteries to battery box.

5. Factory Default Settings of S660 Series

NO.	MENU Setup	Default Set
1	Camera Mode	Camera
2	Image Size	12M/8M/5M
3	Capture Number	1
4	Video Size	VGA 640*480
5	Video Length	0S-60S
6	Audio Recording	Yes
7	Interval	06-S
8	Video Frames	30fps
9	Time Stamp	Yes
10	Set Clock	2015/01/01 12:01:01
11	Senser level	Normal
12	IR LED	Yes
13	Format	Yes
14	TV Out	NTSC
15	Language	English/French/German/Chinese/Japanese/Italy/Russia
16	Time Setting	NO
17	Default Set	NO
18	Frequency	50/60Hz
19	Video format	AVI
20	Picture format	JPEG
21	SD Card	Max 32GB

As if you want to check the settings, please press MENU in TEST mode to enter menu. If there are any settings you want to change, please follow the steps mentioned above to reset step by step.

6. Technical Specifications

Video	
Image Sensor	5 / 8 / 12 Mega Pixels Color CMOS
Effective Pixels	2592x1944
Day/Night Mode	Color during day / B&W at night
Minimum Illumination	0 Lux (IR on)
White Balance	Automatic
Infrared Cut Filter	Yes
Lens	F=3.0; FOV=52°; Auto IR-Cut-Remove (at night)
Viewing Angle	PIR: 105; Max View:52°

IR-Flash	Yes / No / 8M
PIR Sensitivity	PIR with 3 sensitive level: High / Normal / Low
Video Format	AVI;
Video Resolution	640x480; 320x240
Video Frame Rate	15 or 30 FPS (.AVI)
Video Length	1-60sec. programmable
Still Image Format	JPEG
Still Image Resolution	12MP (4000x3000); 8MP (3264x2448); 5MP (2592x1944)
Multiple Still Image Capture	Yes (3)
Image Overlays	Date/Moon Phase
Record Delay Range	5 seconds~60 minutes 59 seconds
Night Vision	
Night Vision Distance	0-15m
Number of Infra-Red LED	24pcs
Audio Recording	Yes
Operation Power	12V DC
Battery Type	8AA
Auto Power Off	automatically power off in 1min without any operations
Time Stamp	format series NO., temperature, and moon icons
Timer Setting	No
Interface	TV out (NTSC, PAL); USB; SD card holder;
Indoor / Outdoor	Outdoor
Memory Type and Size	SD Card up to 32G
Display	2.4" Color viewer LCD
Language	English/French/German/Chinese/Japanese/Italy/Russia
Sensor Type	PIR (Passive Infrared)
Sensor Range	0-15m
Sensor Trigger Speed	0.8-1 s
Operating Temperature	-25°C to 60°C (Storage temperature: -30 °C to 70°C)
Operation Humidity	5%-90%
Waterproof spec	IP54
Dimensions	14.5x11.6x7.8cm
Weight	240g
Certification	CE FCC RoHs

7. Trouble Shooting

S660 series Camera won't power on

1. Make sure that you have installed at least 8 batteries in the battery compartment all stacked together.

2. Make sure that the batteries are installed correctly.

3. When moving the switch from "Off" to "Test" or "On", the user should make sure that the switch stops in a positive position to ensure the proper mode (and do not move the switch too fast).

a. the voltage should be between 9V and 12V;

b. in Test mode, camera will automatically power off if there is no operation in 30.

4. Make sure batteries power is enough; or else, camera may power off suddenly when IR leds is on in TEST mode.

S660 series hunting camera stops taking images or won't take images

1. Please make sure that the SD card is not full. If the card is full, the camera will stop taking images.

2. Check batteries to make sure that they are new alkaline or lithium AA batteries.

3. Make sure that the camera power switch is in the "On" position and not in the "Off" or "Test" modes.

4. Please format the SD card with s660 hunting camera before using or when camera stops taking images.

Photos Do Not Capture Subject of Interest

1. Check the "Sensor Level" (PIR sensitivity) parameter setting. For warm environmental conditions, set the Sensor Level to "High" and for cold weather use, set the sensor for "Low".

2. Try to set your camera up in an area where there is not a heat source in the camera's line of sight.

3. In some cases, set the camera near water will make the camera take images with no subject in them. Try aiming the camera over ground.

4. Try to avoid setting the camera up on small trees that are prone to being moved by strong winds.

5. Remove any limbs which are right in front of the camera lens.