

LTL ACORN®

Ltl-6210 PLUS 1080P HD Video Series Product
Ultra Low Standby Current Infrared Digital Camera
Trigger time 0.8 Seconds



USER'S MANUAL

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GENERAL INFORMATION

The manual applies to the model Ltl-6210MC PLUS and Ltl-6210WMC PLUS. The camera design is novel, the display and operation buttons are designed to the bottom of the camera, it is convenient for the users to operate the menu and preview the shooting scene after mounting the camera, moreover, the camera protection level is improved to IP68, which greatly improve the camera's protection performance and operability.

The series of cameras use low-power dual PIR sensor wireless module which belong to our company's latest research and development. Working in the camera, low-power dual PIR sensor has the characteristics of high accuracy and sensitivity, which avoid the camera mistaken or missed, as well as low standby current. Camera standby current has reduced to 60~180uA, which greatly extends the camera standby time.

The basic principle of our infrared camera, with its Passive Infrared(PIR) sensor, detects the infrared signal from animal or human body, triggers to take pictures/videos automatically. The design of 44pcs infrared LED lights makes Ltl-6210 PLUS series camera has better photo quality at night. It's the ideal camera for animal monitoring and security surveillance. Ltl-6210W PLUS series with wide lens of 100° takes picture in a view 4 times wider in range than other products of its kind.

Please read the USER'S MANUAL in details before starting for better understanding and operation.

1.1 Features

- In the new design, the display is at the bottom of the camera to allow users to operate the camera menu and preview the shooting scene after mounting the camera.
- 5/ 12/ 2 mega pixels high-quality resolution.
- 1440 x 1080 / 720P / VGA H.264/AVC format real HD video with audio record .
- Ltl-6210W PLUS series with wide lens of 100° takes picture in a view 4 times wider in range than other products of its kind.
- Ltl-6210 PLUS series (non-wide lens) Infrared night vision LEDs 850nm flash range as far as 115feet/ 35m, Low-grow 940nm 59feet/ 18m.
- Ltl-6210W PLUS series Infrared night vision LEDs 850nm flash range

as far as 98feet/ 30m, Low-glow 940nm 44 feet / 13.5m.

- “Cam + Video” mode enables camera to take both picture and video every time it triggers.
- Ultra-long standby time of 2 year with 12 AA alkaline batteries.
- Unique side Prep Sensor design provides wider sensing angle and enhances camera's response speed.
- Perform in the most extreme temperatures from -45°C to 70°F
- Compact size (5 ½ x 3 ½ x 3 inches). Well designed to deploy covertly.
- Programmable to work as Time-Lapse camera taking pictures/videos in long range day and night.
- When Timer setting is turned on, programmable to only work in specified period every day. This feature can be used together with Time Lapse feature to meet your timetable.
- Tight waterproof housing: IP68
- Low power double PIR(Passive Infrared) induction technology, detect the animal in advance with wide angle in 2 stages, ultra fast trigger to take photos, camera standby time current is about 60~180uA which makes us stand on the top in the industry.
- Fast trigger time(0.8 seconds). The actual trigger time is less than 0.2 seconds when animals pass by the camera from two sides of the camera.
- Abundant photo watermark information, shooting date, time, temperature and moon phase could be shown on the picture stamp.
- ID number is set freely, file prefix can be the same as the ID, make it easy to classify the pictures from multi-places, will not be mixed up with other camera photos.
- Lockable and password protected
- Setup is a snap. Just run the user-friendly software on the enclosed CD on the computer, or do it directly on the built-in TFT screen.
- SD card can be set in “Cycling Save” mode, which automatically deletes the earliest photos or videos and makes room for new ones.
- Advanced Remote Cellular Technology transmits images to your cell phone and/or email account constantly at lower battery consumption and shorter transmission time, compared to similar products on the market.
- The local mobile signal can be checked in field.

1. 2 Application

- Trail camera for hunting
- Animal or event observation
- Motion-triggered security camera, for home, office and community
- All other indoor/outdoor surveillance where intrusion evidence and live alerts are needed

1. 3 Illustration

- Figure 1.1 shows the Front view of the Camera (Part # Ltl-6210MC PLUS)
- Figure 1.2 shows the Bottom View of the Camera (Part # Ltl-6210MC PLUS)
- Figure 1.3 shows the Display Screens and buttons view of the Camera (Part # Ltl-6210MC PLUS)

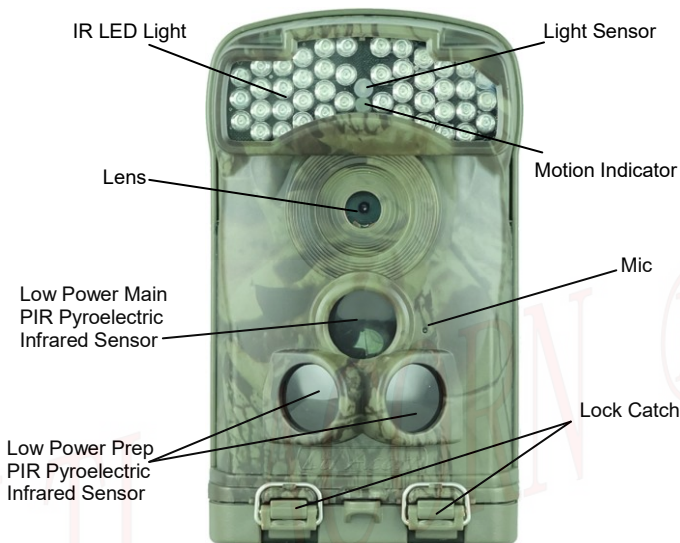


Figure 1.1: Front View of Ltl-6210MC PLUS

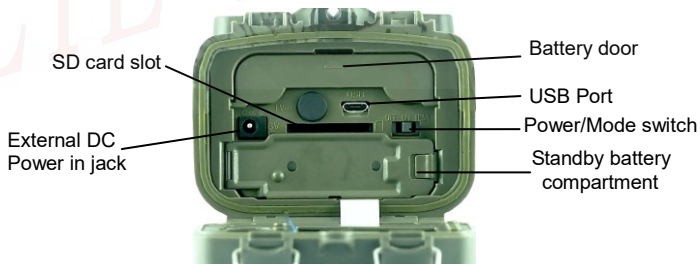


Figure 1.2: Bottom View of Ltl-6210MC PLUS



Figure 1.3: Display Screens and buttons view of Ltl-6210MC PLUS

The camera provides the following connections for external devices: USB 2.0 port, SD card slot, and external DC power in jack. The 3-way Power/Mode Switch is used to select the main operation modes: **OFF**, **ON** and **TEST**.

To power up the camera, install four **NEW** high-performance alkaline or lithium AA batteries in the camera. High energy and low temperature resistant AA disposable lithium battery and low self-consuming AA Ni-MH rechargeable battery are recommended to use. To achieve longer in-field life, always install 12 AA batteries.

CAUTION: If you are not using the camera for an extended period of time, it is highly recommended that you remove the batteries from the camera to avoid possible acid leak that may damage the camera and void the warranty.

Getting Started

2.1 Load Batteries

- Open the bottom cover by pulling down the lock hole.
- Push to open the front battery door and load 4 AA batteries. Open the battery door of standby battery compartment and load 8 AA batteries (make sure the polarity matches the sign on the cover).
- Push to close the battery door.
- Make sure the 12 new and full AA alkaline batteries are loaded.

As a choice, the external DC power supply (optional) of 6V~12V with output current higher than 2A can be used in camera. The camera will choose the external DC power supply as priority when the external power supply and battery are connected at the same time. Our Ltl-SUN external solar panel(optional for purchase)is recommended, the camera may work for more than 2 years in the wild without changing batteries.

2.2 Insert SD Card

The camera does not come with internal memory. It will not work without a SD (Secure Digital) memory card or SDHC (High Capacity) card. Before inserting the SD card into the card slot, please make sure the write-protect switch on the side of the SD card is "off" (NOT in the "Lock" position). The supported memory capacity is up to 32GB. If you use a card capable of above 32GB, make sure you test it before putting the camera to use.



Figure 2-2

Always format the SD card on the CAMERA when using it for the first time. Switch to the **TEST** position to enter the Test mode. Press **MENU** button to access the main menu. Scroll down to **Format**. Press **OK** to format the SD card.

2.3 Set up Camera on PC

After formatting the SD card on the camera pop the SD card out and insert it into your computer. (If your computer cannot read SD cards on its own, you would need to purchase a SD card reader) Of course, you can also directly connect the camera with your PC using a USB cable.

Please visit the website <http://www.ltlacorn.cn/?languageId=2> download the PC setup software.

(Download → PC SETUP Download → PC Setup)

Setup.exe icon:



The following window prompt would show up once you double-click the **Setup.exe** file:



Select your language and model.

Click on **Camera Setup**, and you will see the following menu:

Mode	Camera	Image Size	12MP
Video Size	1280x720	Picture No.	01 Photo
Time Stamp	On	Sensor Level	Normal
Side PIR	On	Video Length	10 Sec
Interval	Minut 1	Date Format	MMDDYY
Beep Sound	On	SD Cycle	Off
Set Clock	2022/11/09 14:11:31		Get Time
Timer	Start Off	Hour 0 : Minut 0	Stop Hour 0 : Minut 0
Timer2	Start Off	Hour 0 : Minut 0	Stop Hour 0 : Minut 0
Serial No.	Off	0 0 0 0	
Time Lapse	Off	Hour 0 : Minut 0 : Sec 0	
Select	C:\		
Generate	Default	Exit	

Set up the camera based on your own need. Please reference **Section 3.1**

Parameter Settings in Advanced Settings to find detailed explanations for each setting.

Click on **GetTime** to retrieve the computer time. Click on

Select to find and choose the drive where the SD card is placed, usually denoted by a letter after E (F drive or G drive). For example, if the SD card is inserted into the F drive, then you should click on "F:\". **DO NOT choose any folder under F:\.**

If you like, you can use the manufacturer default settings by clicking

on **Default**.

Click on **Generate**. A message window will pop out as below. Click **OK**. A file named **menu.dat** will be created and saved in the root directory of the SD card.

Ltl Acorn ×



Camera menu factory settings file has been generated

Retrieve the SD card and insert it in the camera. Switch to the **TEST** position to enter the TEST mode. Message "Updated menu.dat Successfully" show up on the TFT display, indicating the setup file has been successfully installed on the camera.

Click **Exit** and go back to the main menu.

ATTENTION: THE PASSWORD CAN ONLY BE SET UP ON THE CAMERA, NOT ON THE PC.

2.4 Enter Live Mode

Switch camera to the ON position to enter the live mode. After entering this mode, the red indicator light on the front of the camera will flash for five times. When the red light goes out, the camera enters the automatic shooting state. It will immediately take pictures or record videos when person or animal enters the area of the PIR sensor.

The camera with the double area remote infrared sensing technology and is able to be triggered and powered on before the object entering the shooting area, it will shoot immediately when the object enters the shooting area. It makes the camera is able to capture the objects which passing by quickly and object would be in the centre of the picture. If, however the object roams away after a while and never alert the main sensor, the camera will power off and resume standby mode, wait to activate to shoot till the object pass by again.

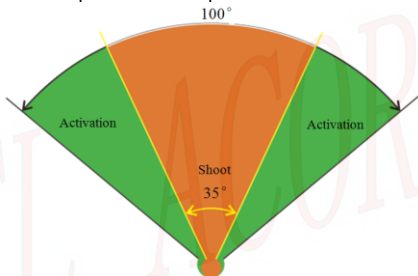
Caution: To avoid potential false triggers due to temperature and motion disturbances, please do not aim the camera at a heat source (e.g.: the sun, heated stone or metal) or nearby tree branches and twigs. The ideal direction to aim at is the north and the open place without heat source. Also, remove any twigs close to the front of the camera.

2.5 Advantages of Prep Sensors

In order to extend the working hours of the camera battery, our company has developed the low power dual PIR sensor based on the original dual PIR infrared sensor. The low power dual PIR sensor optimizes the accuracy and anti-jamming capability of the camera, avoiding the mistaken shot and missed shot, and reducing the camera's standby current, moreover, it will automatically adjust the sensitivity of PIR sensing. Camera will enter Sleep mode when it is working, with only the PIR sensor working, at this time, the whole camera only consumes ultra low current at 60~180uA. When the person or animal is detected by the PIR sensor, the camera will automatically start and shoot photo, then enters Sleep mode again after shooting as settings. The period from animal or human entering PIR sensing area to shooting photo, we call it as trigger time. The

shorter of the trigger time, the higher of the possibility to capture the animal.

With the unique side prep PIR sensors design, our LTL ACORN cameras reduce the trigger time greatly. The combination of the two side prep sensors and the middle main PIR sensor comes up with a 100 degrees induction range, usually the animal will enter this large induction range from the two sides of camera, then camera will start immediately. The induction angle of middle PIR sensor almost equals to the shooting angle of the lens, if the animal continue to enter to the induction scope of middle PIR sensor, camera would take photos immediately, which trigger time is less than 0.2 seconds, and it is the actual sensing time of our double PIR technology, usually the animal is in the middle position of the photo which is taken at this time.



There is one condition that the animal only enters the induction scope of side prep PIR sensor but not middle PIR sensor, camera would turn off after 5 seconds as it's out of the camera lens shooting scope.

Note: The side PIR function is only available for the cameras that are not wide-angle lens.

2.6 Brightness adjustment of night picture

Switch the camera to TEST mode and enter Camera mode, press ▼ key to adjust the brightness of night picture which will apply to ON mode,

it's good to avoid overexposure when the object is too close to the camera and brightness is high.

Three settings of brightness are available for night picture, **High**, **Medium** and **Low**:

High: the highest brightness of night picture between three settings.

Medium: the brightness is slightly weaker than High settings.

Low: the lowest brightness of night picture between three settings.

Default setting of the brightness of night picture is **High**. When adjust brightness in the TEST mode, first press ▼ key to check the present status of the night picture brightness, press again to adjust the brightness to **High**, **Medium** or **Low**, the camera will automatically save the brightness setting you selected, exit the brightness setting in 4 seconds if no operation.

2.7 Connect to PC

You can connect the camera to PC with the USB cable to enter storage mode to read and write the files in SD card inserted in camera.

First switch camera to TEST mode, then connect camera to PC with USB cable, the camera enters storage mode when it starts and the PC is able to read and write the files in SD card inserted in camera.

Advanced Settings

The LTLACORN trail camera comes with preset manufacturer settings. You can change the settings to meet your requirements, by manually operating on the camera or programming on your computer.



3.1 Parameter Settings





Switch to the **TEST** position to enter the Test mode. In this mode you can take pictures or video clips like using a regular digital camera, or enter the Menu to set up parameters.



Figure 3-1

- Press the ▲ key to set the camera to shoot video clips.
- Press the ▼ key to set the camera to take pictures. Set the brightness of night picture in Camera mode.
- Press the ► key to manually trigger the shutter. A photo or video (depending on the camera setting) will be taken and saved to the SD card. If the display shows "CARD PROTECTED" when you press the ► key, switch the power OFF, remove the SD card and slide its write-protect switch to off.
- Press the OK key to review/playback photos/videos on the TFT screen. Use ▲ and ▼ key to navigate. Use ◀ and ▶ key to zoom in and out on the pictures. Under zoom in, short press ▲ to move picture leftwards, long press ▲

to move picture upwards, short press  to move rightwards, long press  to move downwards.

- Press **"MENU"** key to enter/exit the Camera Setup menu. Press ,  to move the marker.
- Press ,  to change the setting, and press **OK** to confirm the change. Always remember to press **OK** to save the change.

List of Parameters

Parameter	Settings	Description
Mode	Camera, Video, Cam+Video	Select to take photo or video clips. In Cam+Video mode, camera takes photos first then video.
Format	Enter	All files will be deleted after formatting the SD card. Highly recommended to format the SD card on the camera at the first using. Caution: make sure the important files on the SD card are backed up before formatting.
Photo Size	5MP, 12MP , 2MP	Select desired resolution for photo from 2 to 12 megapixels. Higher resolution produces higher quality photo, but occupies more space and slightly affects the shooting interval.
Video Size	(1080P)1440x1080 (720P)1280x720 (VGA)640x480	Higher resolution produces better quality of video, but occupies more space of the SD card.
Set Clock	Setup	Press OK key to set up date and time.
Picture No.	01 Photo , 02 Photos, 03 Photos	Select the number of burst shooting at per trigger.
Video Length	Default setting is 10s , optional setting is ' Auto ' or 2s~60s	Set length of video as required, camera will start recording video as preset length after it is automatically

		<p>triggered in ON mode and stop recording till preset length is reached. Set as 'Auto', the length of video triggered in ON mode will automatically change from range of 3s to 30s. If animal keeps wandering in the detection range when recording video in ON mode, the recording will last up to maximum length of 30s, if animal stop moving or leave detection range, the recording will stop.</p>
Interval	1 Min, optional from 1 second to 60 minutes	<p>Select the length of time that the camera will wait from when the last picture was taken and written on the SD card, to when it responds to any new triggers. It prevents the SD card from filling up with too many redundant images of the same object, save power and SD card space.</p>
Sense Level (Sensitivity)	High, Normal , Low, Off	<p>Select the sensitivity of the PIR sensor. The PIR would stop sensing with Off setting (usually used in time lapse mode when the sensing shooting is not needed). Higher sense level with longer sensing distance, but easier to be interfered. The Normal/Low setting suits outdoors while the High setting suits environment with higher temperature. Suggestion: Please do not set the sense level to 'high' when the temperature is lower than 25°C.</p>

Time Stamp	On, Off	Select On if you want the camera ID, temperature, moon phase, date & time to be imprinted on photo. Notice: The temperature shown is internal temperature of the camera, the camera will heat at work, it makes the difference between internal and external temperature, and the difference will be small if the camera does not work long time in the field.
Timer1	Off, On	Select On and the camera will automatically work within a specified period of the day. For instance, if the starting time is set at 7:00 and the ending time at 9:00, the camera can be triggered from 7:00 a.m. to 9:00 a.m. Outside this period the camera will not be triggered even animal passes by.
Timer2	Off, On	Select On and the camera will automatically work within a specified period of the day. For instance, if the starting time is set at 10:00 and the ending time at 11:00, the camera can be triggered from 10:00 a.m. to 11:00 a.m. Outside this period the camera will not be triggered even animal passes by.
Password Set	Off, On	Set up a password with 4 digits to protect your camera from unauthorized users with On setting. Notice: Please take note and remember the password well, or the camera should be returned to factory to unlock.

Serial No.	Off, On	Select On to assign an ID for the camera with 4 digits and/ or alphabets, 0~9 and A~Z, the ID will be imprinted on photo with time stamp On.
Time Lapse	Off, On	Select On, you can set the time period of automatic cycle shooting, and the camera will automatically take pictures/videos without triggering according to the time period set. This feature is useful for shooting cold-blooded animals or observing the growth of plants. This function can be used with timer settings.
Side PIR	Off, On	The default setting is On. The two side PIR sensors provide wider sensing range, activate and power on the camera before game entering shooting area so as to catch the game at quick speed when it enter shooting area, especially for those games move fast. Note: This menu is only applicable to the cameras that are not wide-angle lens.
Beep Sound	On, off	To turn on or off the beep sound caused by pressing the keys. The default setting is On.
SD Cycle	Off, On	Choose On to overwrite the SD card, which automatically deletes the oldest files when the SD card becomes full to make room for the latest pictures or videos.
Default Set	Enter	Press OK key to return all settings to default setting

3.2 File Format

The SD card stores all original pictures and videos in the folder \DCIM\100IMAGE. Pictures are saved with filenames like IMAG0001.JPG and videos like IMAG0001.AVI.

In the **TEST** mode, you can use the provided USB cable to download the files to a computer. Or you can insert the SD card into a SD card reader, plug in a computer, and browse the files on the computer without downloading.

The AVI video files can be played back on most popular media players, such as Windows Media Player, etc.

Ltl-6210 PLUS Series Products

Ltl 6210 PLUS series consists of Ltl-6210M PLUS and Ltl-6210W PLUS, Please note that the only difference is Lens angle: Ltl-6210 PLUS the 55°whereas Ltl-6210W PLUS has a much wider angle of 100°.

4.1 Ltl-6210 PLUS series model:

Ltl-6210M PLUS series:

1. Ltl-6210MC PLUS Camera
2. Ltl-6210WMC PLUS Camera

IMPORTANT INFORMATION

5.1 Power Supply

Ltl-6210 PLUS Series scouting camera works on electricity up to 12 voltages. The 4 AA batteries in the front of camera, the 8 AA batteries in the back of camera (supply power as two groups) and the external power supply form a four-path parallel circuit. Each path is isolated from others and does not charge or discharge others. So it is easy to connect with external solar power source of 6V~12V. If you use our company's LTL-SUN solar charger, while loading the fully charged battery, the camera can greatly extend the working hours. The camera needs to check the battery regularly for long time working to avoid the battery leakage to damage the camera.

5.2 SD Card

There are various brands of SD cards on the market. We tested on our camera as many brands as we can. However, we cannot guarantee every brand will be compatible with our camera. Please format the SD card on the camera before use. If it doesn't work, please try another brand.

5.3 Auto Adjustment on Video Length

To extend battery life, we strongly recommend using 12 AA alkaline batteries when operating the camera in Video mode or Cam+Video mode. Compared to similar products on the market, our camera takes thirty percent more video clips. Moreover, when battery power gets low, our camera automatically shortens the video length so as to take more clips of more events. As a result, the total number of video clips doubles, even triples that of other products, which provides users with more useful records.

Due to the large power consumption during the night video shooting, our camera LED current would drop automatically after the video exceeds 10 seconds, the brightness would also become darker at the same time.

Note: although the product can work under -45°C, but the battery capacity would drop greatly under the cold environment, the video record would also decrease accordingly.

5.4 850nm and 940nm IR LED

There are two types of IR LED on the Ltl-6210/6210W series camera: 850nm and 940nm. For Ltl-6210 series camera(non-wide lens) ,the former provides up to 115 feet/ 35m flash range whereas the latter up to 59 feet / 18m flash range. For Ltl-6210W series camera, the former provides up to 98 feet/ 30m flash range whereas the latter up to 44 feet / 13.5m flash range. The benefit of 940nm IR LED, however, is it emits black flash that is invisible in the dark.

5.5 Mount on Tripod

The camera can be mounted on a 1/4" tripod. **CAUTION: To avoid breakage, always turn the knob in position to secure the bottom cover.**



FIRMWARE UPGRADES

The manufacturer reserves the right to upgrade the camera and the firmware. Follow the steps below to implement the upgrades:

- Back up the contents on the SD card on your computer.
- Install batteries and the SD card in the camera.
- Format the SD card on the camera.
- Retrieve the SD card and plug it in your computer (SD card reader may be needed). Copy and paste the FW6210.bin file in the root directory of the SD card. (Consult with the national distributor if there is an upgrade available and where to download it.)
- Retrieve the SD card and insert it back into the camera.

Press “◀” key and put switch to **TEST**, wait until the logo “Updated Firmware Successfully” appear and then

loosen the “◀” key.

- Enter **MENU**, navigate the marker to **DEFAULT SET**, and press **OK**.
- Re-format the SD card on the camera. The upgrade will have been installed successfully.

Attention: A firmware upgrade program for one model is not compatible on other models. In other word, an upgrade for Model Ltl-6210 PLUS only applies to that model. If a camera is accidentally upgraded by running a non-compatible program, it will quit working and needs to be sent back for repair. This issue is not covered under warranty.

LIMITED WARRANTY

We take great pride in our products. We always stand behind our promises. We provide leading warranty term and service. Every LTL ACORN trail camera comes with a limited times warranty.

We guarantee our trail cameras to be free of defects in materials and workmanship under normal use and service for a period of a limited time after the registered date of purchase. This warranty does not cover damages caused by misuse, abuse, or improper handling or installation, by user installed batteries, or by repair attempts of someone other than our authorized technicians.

In the event of a defect under this warranty, we will, at our option, repair your camera or replace it with the same or comparable model free of charge, provided the product is returned postage paid. This warranty only extends to the original retail buyer from our authorized dealer. Purchase receipt or other proof of the date of the original purchase is required to receive warranty benefits. The warranty on any replacement product provided under the original warranty shall be for the remaining portion of the warranty period applicable to the original product.

This warranty extends solely to failures due to defects in materials or workmanship under normal use. It does not cover normal wear of the product.

Please contact our tech support department to determine the nature of the problem before you return a LTL ACORN product under this warranty for repair or exchange.

Appendix I: TECHNICAL SPECIFICATION

Model	Parameters	Lti-6210MC PLUS	Lti-6210MC PLUS
Image Sensor	5 Mega Pixels Color CMOS	Yes	Yes
Lens	FOV=55°; Auto IR-Cut	Yes	Yes
Lens	FOV=100°; Auto IR-Cut	N/A	N/A
IR Flash	850nm	35meters/ 115 feet	35meters/ 115 feet
	940nm (Black Flash)	18meters/ 59feet	18meters/ 59feet
TFT Screen	40.8x30.6mm(2.0"); 16.7M Color	Yes	Yes
Operation Keypad	6 Keys	Yes	Yes
Memory	SD Card (8MB ~ 32GB)	Yes	Yes
Picture Size	12MP(4000X3000) 5MP(2560X1920) 2MP(1600X1200)	Yes	Yes
Video Size	1440x1080:15 fps; 1280x720: 30fps; 640x480: 30fps; (Black and white video 15fps)	Yes	Yes
PIR Sensitivity	High/Normal/ Low/Off	Yes	Yes
PIR Sensing Distance	18 meters (Below 77°F/25°C at the Normal Level)	Yes	Yes

Prep PIR Sensing Angle	Left and right light beams form an angle of 100°;	Yes	Yes
Main PIR Sensing Angle	35°	Yes	Yes
Operation Mode	Day/Night	Yes	Yes
Trigger Time	0.8 Seconds	Yes	Yes
Trigger Interval	0sec. - 60min; Programmable	Yes	Yes
Shooting Numbers	1~3	Yes	Yes
Video Length	2~60sec; Auto (3~30 seconds Automatic adjustment; Programmable	Yes	Yes
Camera + Video	First take Picture then Video	Yes	Yes
Playback Zoom In	1~16 Times	Yes	Yes
Time Stamp	On/Off; Include serial No., temperature and moon phase, date and time.	Yes	Yes
Timer1	On/Off; Programmable	Yes	Yes
Timer2	On/Off; Programmable	Yes	Yes
Password	4-Digit Numbers (0~9)	Yes	Yes
Device Serial No.	4 digits and alphabets(0~9, A~Z)	Yes	Yes

Time Lapse	On/Off; 0Second ~ 23Hours 59Min 59Sec;Programmable	Yes	Yes
Beep Sound	On/Off;	Yes	Yes
SD Cycle	On/Off;	Yes	Yes
language setting	Change Country Can Setting Language	Yes	Yes
Power Supply	12xAA;	Yes	Yes
External DC Power Supply	Plug Size: 4.0mmx1.7mm 6 ~ 12V (2 ~ 1A)	Yes	Yes
Stand-by Current	60~180uA	Yes	Yes
Stand-by Time	2 year (12xAA)	Yes	Yes
Auto Power Off	Auto power off in 3 minutes if no keypad input	Yes	Yes
Power Consumption	180mA (+520mA when 850nm IR LED lights up); 180mA (+620mA when 940nm IR LED lights up).	Yes	Yes
Low Battery Alert	4.2~4.3V	Yes	Yes
Interface	USB; SD Card Slot; 6V DC External	Yes	Yes
Mounting	Strap; Tripod	Yes	Yes

Ingress Protection	IP68	Yes	Yes
Operation Temperature	-45 ~+70°C	Yes	Yes
Operation Humidity	5% ~ 95%	Yes	Yes
Certificate	FCC & CE & RoHS	Yes	Yes

Appendix II: PACKAGE CONTENTS

Part name	Quantity Ltl-6210MC PLUS	Quantity Ltl-6210WMC PLUS
Digital camera	1	1
USB cable	1	1
Strap	1	1
External DC cable (optional)	1	1
Warranty Card	1	1
User's Manual	1	1