Digital Surveillance Camera

SPYP⊙INT™

IR-B model

User's manual

www.spy-point.com

Thank you for purchasing SPYPOINT IR-B product. You can now enjoy the many benefits of a full feature and easy to use digital surveillance camera. This 7 MP infrared digital camera features the latest scouting camera technology and captures crisp and clean digital photo or video either day or night without the use of a flash.

FEATURES

• Still photos	7 MP
• Video resolution	640 x 480
• File formats	JPG/AVI
• External memory	SD card up to 8 GB
• Internal memory	32 MB built-in memory
• Exposure	Auto
• Play modes	Computer / TV
• TV-out	PAL / NTSC
• PIR distance	Adjustable from 5 to 50 ft.
• Motion detection angle	95°
• Power source	6 C-cell batteries **or** external 12V DC power jack **or** lithium rechargeable battery pack
• Operating temperature	(-20 °C to +50 °C) (-4 F to +122 F)
• Storage temperature	(-30 °C to +75 °C) (-22 F to + 167 F)
• Computer operating system	WIN 2000 / XP / VISTA / Mac OS X

KIT INCLUDES

• SPYPOINT IR-B camera
• Mounting Kit
• USB cable
• Video cable
• User's manual

Main features

1.   LCD display mode: date, time and number of pictures.
2.   Adjustable PIR sensitivity.
3.   Color day time images, black and white night images.
4.   Multi-shot of 1, 2, 3 or 4 pictures per detection.
5.   Video length adjustable from 10 to 90 sec.
6.   Ajustable delay between motions from 4 sec to 30 min.
7.   NO FLASH-Uses 48 Infrared emitters to illuminate the area.
8.   Water-resistant housing case.
9.   Date and time stamp on each picture.
10.   Auxiliary power jack for external 12 V DC input.
11.   Optional use of a solar panel SP-12V (sold seperately) to recharge the lithium battery pack LIT-C-1 (sold separately).

POWER

Alkaline batteries
This camera requires 6 type "C" batteries. We recommend the use of good quality alkaline batteries. Install the batteries according to the instructions inside camera case. Exact polarity MUST be followed. Battery power is displayed on the LCD panel. The camera will take pictures even if the batteries are half full, but we strongly recommended that you replace them before they are empty. (See figure below)

FULL   HALF   EMPTY

Lithium battery pack LIT-C-1

SPYPOINT camera model IR-B can be powered with a rechargeable lithium battery pack (sold separately). This type of battery is less affected by cold temperatures and lasts up to 3 times alkaline batteries. A solar panel SP-12V (sold separately) can be used to recharge the lithium battery.

12V Power

SPYPOINT camera model IR-B can be used with an external 12V DC input. When using 12V DC power, we recommend removing alkaline batteries to prevent surcharges. A 12V cable CB-12ft (sold separately) allows connecting the camera to a 12V battery.

MEMORY CARD

The SD slot in the SPYPOINT camera model IR-B can accept optional SD memory cards up to 8GB. Before inserting or removing the memory card, the camera MUST be turned off. Failing to do so may cause loss of photos or damage to the memory card. When the internal memory or the SD card is full, the LCD panel will show "FULL". The following data shows an approximate quantity of photos that can be recorded by the camera depending on the memory card capacity.

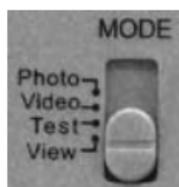|	512 MB	1 GB	2 GB	4 GB	8 GB
3 Megapixel	980	1960	3920	7840	15680
4 Megapixel	490	980	1960	3920	7840
6 Megapixel	360	720	1440	2880	5760
7 Megapixel	322	644	1288	2576	5152
8 Megapixel	286	572	1144	2288	4576

LCD SCREEN

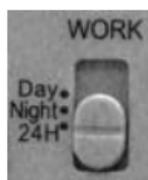Number of pictures

Battery meter

Date MM/DD/YY

SETTINGS

Picture Quality, Date and Time

Turn off your camera, set the mode switch to «Test» and set the power switch to «ON». Press «MENU» once. The default setting «H» (7MP) icon will flash. Use «DOWN» if you want to change to «L» resolution (4MP). Press «MENU» button to set date and time. Use «UP» and «DOWN» to change the blinking number. Press «MENU» to set next option. Press «OK» and turn off the system to record the changes. The camera's internal memory (32MB) can store approximately 30 pictures in 4MP mode (low resolution) and 20 pictures in 7MP mode (high resolution). The SD slot accepts optional SD card to record more pictures.
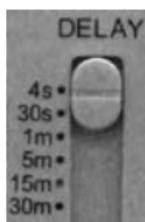
MODE

When you select «Photo» or «Video», the test light on the front of the unit will light up for 60 seconds while the motion detector charges up. When you select «Test» you can set your system or test the distance setting. The test light on the front of the unit will light when the camera detects motion. When you notice how the camera reacts to your motion, you may want to adjust the distance setting, change the direction or height of the camera. The camera doesn't take pictures while in «Test» mode. When «MODE» switch is set to «View», you can review the recorded pictures or videos. When «MODE» switch is set to «View», you can review the recorded pictures or videos.
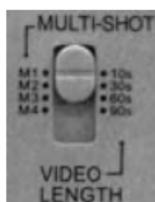
WORK

Day : Photos or videos daytime only
Night : Photos or videos night-time Tonly
24H : Photos or videos anytime

DELAY

Selects the time the camera will wait before recording another photo or video. This option prevents taking too many photos or videos of the same object should it remain in front of the camera for a lengthy period of time.

MULTI-SHOT

Allows for a 20 second interval between 4 consecutive photos. This option shows a different view of all 4 photos.

VIDEO-LENGTH

Selects the video length when the camera is set in video mode

DISTANCE

The distance dial sets the motion detector sensitivity. Use this feature to set the detection range required. Turn dial to the right to increase distance. Range of detector is between 5 and 50 ft. The best method to determine a proper distance is to turn «MODE» switch to «Test» and to walk perpendicularly to the front of the camera where action is anticipated. When the detector is activated, the test light on the front of the camera will blink once. At this moment, the camera operator may want to adjust the distance setting, and/or change the direction or height of the camera.

DOWNLOAD TO A COMPUTER

To transfer or view photos and videos on a PC, you must first turn the camera off and use the USB cable (supplied) to connect the camera to your computer. The computer will then recognize the camera as a removable disk drive. Camera operator must wait until the termination of computer software installation (few seconds) before clicking on Desktop. Then, click on removable disk and look to find folder with DCIM. Click on the DCIM folder and all the photos and videos will be found in 100DSCIM folder. Photos and videos can be viewed, edited or deleted with your computer's software.

Taking the SD card out of the camera and inserting it in the computer port will achieve same results. If no SD slot is built into the computer, a multi-card reader RD25-1 (sold separately) must be used.

TELEVISION

To project photos and videos on a TV screen, turn OFF your camera and select «View». Use the video cable (supplied) and plug in TV/OUT port of the camera to «Video IN» of TV set. Turn ON the camera. Viewing screen menu will also appear on TV screen. You will see the latest picture taken by your system. To change pictures use «UP» or «DOWN» keys. When you push «MENU», you will see these option:

View Date/Time:	Increases size of date and time imprinted on the picture
Erase one:	Erases the photo or the video on the screen
Erase All:	Erases all stored photos and videos, exclusive of protected photos and videos.
Format:	Formats memory card and erases all protected photos and videos.
Protect:	Protects the photo or video on the screen.

Language: Selects language.

Exit: Returns to viewing screen.

TROUBLESHOOTING

No person / animal on photos
1. Rising sun can trigger sensor. Camera must be reoriented.
2. At night, motion detector may detect beyond range of the IR Illumination. Reduce distance setting.
3. Small animal may be triggering unit. Reduce distance setting and/or raise height of camera.
4. Motion detector may sense animals through foliage.
5. If person/animal moves quickly, it may move out of camera field of view before photo is taken. Move camera further back or redirect camera. Camera must be set on a stable and immovable object. i.e. large tree.
6. Make sure the mounting post or tree is stable and doesn't move.

Red light in front of camera blinks
1. Main mode switch is in test mode.
2. Main mode switch is in Photo or Video mode. Red light blinks during 60 sec. allowing the operator to walk away from camera.

OPTIONS

See your local dealer or visit www.spy-point.com to find available products. The following items are popular options that can be added to a SPYPOINT camera model IR-B.

SD Memory card
Increases capacity of photos and videos recorded by the camera. Most users work with 2 SD cards to avoid bringing the camera home. If so, an optional multi-card reader RD25-1 may be needed.

Multi-card reader RD25-1
Allows downloading photos and videos directly into a personal computer without the use of the SPYPOINT camera. This reader works with 25 different types of memory cards and is compatible with SD card.

12v power cable, CB-12ft
Connects a 12' long cable to an external 12V DC power.

Lithium battery pack kit including charger, LIT-C-1
Used to recharge SPYPOINT lithium battery pack only. Charger operates under 110V/240V.

Additional lithium battery pack, LIT-02
An additional lithium battery pack is a handy spare.

Solar Panel, SP-12V

This small solar panel will recharge the lithium battery pack included in a LIT-C-1 kit or the lithium battery pack LIT-02 without having to remove it out of the camera. The panel is supplied with a special aluminium bracket for easy mounting.

Solar panel **must not** be used to recharge rechargeable C batteries. Only LIT-C-1 or LIT-02 lithium battery can be recharged with the solar panel.

Cable lock, CL-6ft

6 ft. long locking cable with key used for maximum theft protection.

12-volt rechargeable battery and charger, BATT-12V

Allows using external rechargeable battery to power the camera.

Water-Resistant battery box, KIT-12V

Water-resistant battery box including 12-volt rechargeable battery and charger to power the camera.

Picture viewer, PV-2.4

Picture viewer, SD card slot, 2.0" viewing screen, radio, 1GB internal memory, MP3, MP4, rechargeable battery, charger, and headphone included.

Photo and video viewer, PV-9

Photo and video viewer, 2,5" viewing screen, video cable included

LIMITED WARRANTY

SPYPOINT IR-B, designed by GG Telecom, is covered by a one (1) year warranty on material and workmanship starting on the date of original purchase. The sales receipt is your proof of purchase and should be presented if warranty service is needed.

This warranty does not cover any GG Telecom product which has been subjected to misuse, neglect, accident or has been improperly used or maintained. Any modification or tampering of the product will affect its operation, performance, durability and void this warranty.

REPAIR SERVICE

Should assistance be required, please contact your retailer first. To find the address of a repair centre, please go to www.spy-point.com.

Repairs for damages not covered by the warranty will be subject to a reasonable charge. For technical assistance, write to tech@ggtelecom.ca. Give a description of the problem with a phone number where you can be reached.

IMPORTANT: Under no circumstances will GGTelecom accept returned goods without a Return Material Authorization number (RMA).

WWW.SPY-POINT.COM