Infrared Digital Cameras With Sniper Trigger Technology

Viper IR 4.0™

Viper IR 6.0™

Recon Outdoors™
INTRODUCTION

Congratulations on the purchase of your new Recon Outdoors Digital Scouting and Security Camera. The Recon Viper IR™'s unique picture storage capabilities, along with its nearly invisible infrared flash and small size, make it one of the best Scouting/Security cameras available. For best results, please read the entire user’s manual to gain an understanding of all the available benefits and features of the Recon Viper IR™.

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Recommended Brands

SD Cards: Recon, Delkin Devices/ eFilm, Sandisk.
Batteries: Energizer Ultimate Lithium, Duracell.
NOTE: Energizer Ultimate Lithium batteries last three times longer than regular batteries and are far superior in cold weather.

WARNING: All SD cards New or Used MUST be formatted FAT 32 before being used or the Viper Camera will not function correctly!!!!! When deleting images for a SD card you must delete ALL of the images!!!!

Formatting instructions for Windows OS are on page 13.
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Viper IR™, with its unique size, shape and mounting capabilities, is the leader in next generation Digital Infrared Cameras. Viper IR™ uses a custom LCD and 5 pushbutton switches that aid in the ease of setup and operation. The pushbuttons are as follows:

- **On/Off**
- **Mode**
- **Select**
- **Increase**
- **Decrease**

**Pushbutton Definition:**

- The Mode pushbutton scrolls, from top to bottom, through the 8 Mode settings located on the left side of the LCD. The Modes are Set Date, Set Time, Set Delay, Set Burst, Set H/S, Pic Count, Aim, (Camera Mode).

**NOTE:** All “Set Modes” can be used to view or change information.

- The Select button scrolls, from left to right, through the headers above the digits in the 4 settable Modes. Select has no function in Set H/S Mode

- The Increase pushbutton ONLY increases the numbers selected to be set.
- The Decrease pushbutton ONLY decreases the numbers selected to be set.

**NOTE:** and will auto advance by simply holding the button down.
Mount Base & Camera Core View

Figure 1
CAUTION: NEVER INSERT OR REMOVE SD CARD WITH THE POWER ON

NOTE: Clean Perimeter Seal before assembly to mount base.
Installing Batteries & Set Date

Start by removing the Camera Core from the Mount Base. Place the Mount Base in one hand and firmly pull the pull tab on the Camera Core with the other hand separating the two parts. See Figure 1

Install 4 AA batteries in the battery tray on the back side of the Camera Core. Once batteries are installed correctly insert a recommended SD Memory Card into the slot provided on the side of the Camera core. See Figure 2

Press the On/Off button and the camera will come on in the Set Date Mode with the Month header flashing. Note: The Month, Day and Year use 2 numbers each. Example: 01 05 12 means January 5, 2012.

Press the Increase or Decrease button to set Months. Press the Select button to move from Month to Day. With the Day header flashing press the Increase or Decrease button to set Days. Again press the Select button to move from Day to Year. With the Year header flashing press the Increase or Decrease button to set Years.

Example 2009 would be 09. Once the Date is set press the Mode button to move to the next Mode: Set Time
Now, in the Set Time Mode, the Hour header will be flashing. Note: the Hour, Minute and Second use 2 numbers each. Time is in Military Time. See Chart below.

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Press the \( \uparrow \) Increase or \( \downarrow \) Decrease button to set Hours. Press the \( \rightarrow \) Select button to move from Hour to Minute. With the Minute header flashing, press the \( \uparrow \) Increase or \( \downarrow \) Decrease button to set Minutes. Press the \( \rightarrow \) Select button to move from Minute to Second. With the Second header flashing, press the \( \uparrow \) Increase or \( \downarrow \) Decrease button to set Seconds. Once the Time is set press the Mode button to move to the next Mode: Set Delay.
NOTE: Delay is the amount of time between each activated picture. In single picture mode, Delay is the minimum time between each picture. In Burst mode, Delay is the minimum time between each Burst sequence. The Factory set Delay is 30 seconds.

Now, in the Delay Mode, the Minute header will be flashing. The factory setting for Minute is 00, press the ↑ Increase or ↓ Decrease button to set Delay in minutes or press the → Select button to move to Second. To change the Second Delay press the ↑ Increase or ↓ Decrease button to set Delay in Seconds.

NOTE: The MINIMUM Delay in Seconds is 3 seconds. Once the Delay Mode is set press the MODE Mode button to move to the next Mode: Set Burst.
Set Burst

Burst Mode allows the camera to take from 1 to 15 pictures per activation.

**NOTE:** Burst Mode is factory set at one picture per activation.

In Burst Mode, press the \( \uparrow \) Increase or \( \downarrow \) Decrease button to set the number of pictures to be taken each time the camera is activated. Once Burst Mode is set press the MODE Mode button to move from Burst Mode to the next Mode: Set H/S.
Set H/S allows the user to select the way the SD Memory Card stores pictures.

In the Hunting Mode when the card fills up the camera stops taking pictures. In the Security Mode when the card fills up it will continue storing the latest pictures by writing over the oldest pictures.

Once in the Set H/S Mode use the Increase or Decrease button to choose between Hunting or Security Mode. The selected Mode is located between the Memory Card graph and the Battery Voltage graph.

Once the Set H/S Mode is set press the Mode button to move from Set H/S to Pic Count.
Pic Count is a view ONLY Mode that indicates the number of pictures stored on the SD Memory Card. Press the MODE Mode button to move from Pic Count to Aim Mode.
Aim Mode activates the laser which is used to mark the center of the picture and the center of the motion detection zone. With the camera in Aim Mode attach the camera to a tree, fence post etc. At 20 feet from the camera set the height of the laser at the center mass of the object you are trying to take a picture of. The laser also acts as a Walk-Test. Once the height is set, if you walk from left-to-right or right-to-left the laser will flash indicating the camera is seeing motion at that given distance.

**NOTE:** When the laser is turned on it will come on in Eye Safe Mode. It will start off dim and gradually, in 2 seconds, brighten to full strength. The laser is Eye Safe at 1mW Max Power output making it a Class II Laser product. **DO NOT STARE INTO BEAM !!!!**

Press the Mode button to move from Aim Mode to Camera Mode.
In Camera Mode the camera is ready to take pictures, when activated, based on the information the user has entered into the camera. Camera Mode also shows the number of pictures stored on the SD card.

**NOTE:** If the camera is left, with power On, in any Mode other than Camera Mode it will automatically start taking pictures in 5 minutes.

**NOTE:** If the Camera Icon is flashing the Camera will not take pictures. There are 3 reasons the Camera will not take pictures: No Memory Card or incompatible Memory Card, Full Memory Card or Low Battery.
Memory Card and Battery Voltage Graphs

To the right of the Camera Mode icon are 2 bar graphs, Memory Card and Battery Voltage.

The Memory Card bar graph shows the SD Memory Card capacity level from 0% to 100%. 0% indicates there are NO pictures on the card and 100% indicates the card is FULL. At 100% the word FULL will appear below the 100% sign. The word NO Card, located below the 0% sign, indicates there is No SD Card in the camera and the Memory Card header will also flash.

NOTE: There is NO onboard memory so without an SD Memory Card the camera will not store pictures. (SD Memory Cards will hold around 930 pictures per Gigabyte of Memory. 1 GB = 930 pictures, 2 GB = 1860 pictures and so on.)

The Battery Voltage bar graph shows the current status of the batteries. The camera will take pictures down to around 3.6 volts. At 3.6 volts the Battery Voltage header will start flashing indicating it is time to change batteries.

NOTE: When you replace the batteries you need to Check the TIME and DATE.
The File name is the picture information; it is unique for each picture. The File name consists of the Date, Time, Moon Phase and Temperature.

The Date is Year, Month, Day.

The Time is Hour, Minute, Second.

Moon Phase:

Temperature is recorded in Fahrenheit.

Example File Name:
2009-06-15_10-35-14_Moon 0_72F
Year-Month-Day_Hour-minute-second_Moon_Temperature.
NOTE: To view pictures, a Windows based PC and an SD Memory card reader is recommended.

Formatting SD Card: For Windows XP, Vista, and Windows 7

Left click START then Left click My Computer, Right click the external drive were the SD card is located. A pull down window will appear, go to Format and Left click. A format window will appear. Go to FILE SYSTEM and select Fat 32 then Left click START. A Warning window will appear then Click OK. When Formatting is complete close Formatting windows and remove your SD card. The SD card is now ready to install into your Viper Camera.

SETUP TIPS:
1) For best results setup camera so it is not facing the rising or setting sun.
2) Setup camera 15 to 20 feet from target area.
3) Use the Aim Mode laser to set the aim height at the target area.
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