MOULTRIE

DIGITAL GAME CAMERA
USER MANUAL

Please take a few minutes to read and understand these instructions before using.

QUICK START INSTRUCTIONS

1 Batteries

(4-C)
+ TO +
– TO –

2 Insert SD Card

3 Aim

4 Settings

ON/OFF

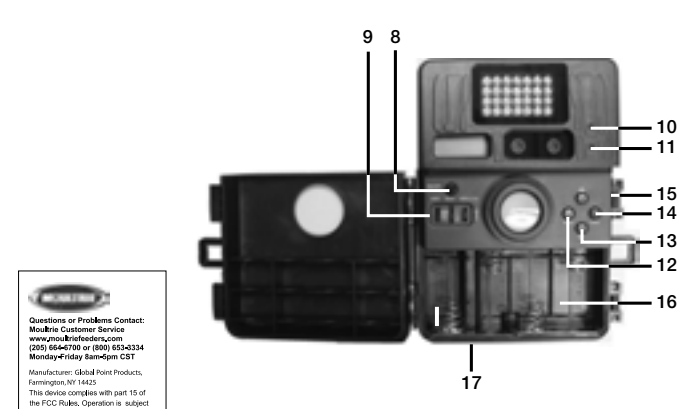MODE   DELAY   RESOLUTION

5 Turn on

ON/OFF

RESOLUTION

IMPORTANT NOTICE: If you have a problem, call us for help.
DO NOT RETURN THIS UNIT TO THE RETAILER. (800) 653-3334
Manual covers the following units:
MFH-DGS-D50IR

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9 CAMERA • DESCRIPTION

D50IR MODEL CAMERA

8. POWER ON/OFF BUTTON
9. FUNCTION SWITCHES
   • MODE (IR AIM, SETUP, AUTO)
   • DELAY (1, 5 , 10, 30 MINS)
   • RESOLUTION (VID, HI, LO)
10. STATUS INDICATOR
11. BATTERY INDICATOR
12. SELECT BUTTON
13. CHANGE BUTTONS
    (UP▲ /DOWN▼)
14. ENTER BUTTON
15. SD MEMORY CARD SLOT

16. BATTERY COMPARTMENT
17. 12-VOLT EXTERNAL POWER PORT
(This camera is compatible with the Moultrie Powerpanel accessory to extend your battery life. Please visit our website at www.moultriefeeders.com for more information

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NOTE: Product label is inside the carmera cover.
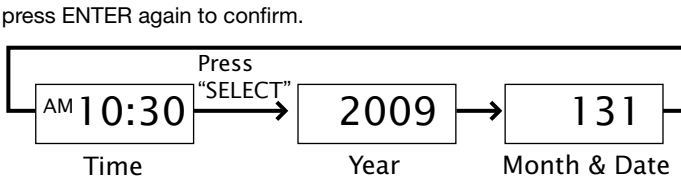
pg. 9

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2 SETUP • PROGRAMMING

SET DATE AND TIME
In SETUP mode, the LCD will show the time. Press ENTER and the hour will flash. Press Up(▲) or Down(▼) to select the proper hour, then press ENTER again and the minute will flash. Press Up(▲) or Down(▼) to select the proper minute. Press ENTER again, AM or PM will flash. Press Up(▲) or Down(▼) to select the Day and Night accordingly. Press ENTER to confirm the selections.

After setting up the time, press SELECT and the LCD will show the year. Press ENTER and the year will flash.   Press Up(▲) or Down (▼) to select the proper year and press ENTER again to confirm.

After setting up the year, press SELECT and the LCD will show the date. Press ENTER and the month will flash. Press Up(▲) or Down (▼) to select the proper month, then press ENTER again and the day will flash.   Press Up(▲) or Down(▼) to select the proper day, then press ENTER again to confirm.

Press "SELECT"

AM 10:30   →   2009   →   131
Time   Year   Month & Date

EVENT DELAY
There are 4 different delay settings: 1 MIN., 5 MIN, 10 MIN. or 30 MIN.. Slide the DELAY SWITCH to the position of your selection. When the game camera is in AUTO mode, it will work according to your selected event delay.

IMAGE QUALITY AND VIDEO
There are 3 different capture settings: Video (VID), High (HI) and Low (Lo). Please refer to the section 7 MEMORY – STORAGE/CAPCITY for the description of each setting. Slide the RESOLUTION SWITCH to the position of your selection. When the game camera is in AUTO mode, it will work according to your selected capture setting.

pg. 2

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7 MEMORY • STORAGE/CAPACITY

Your camera supports external SD memory card ONLY (NO internal memory available). The LCD shows "0000" if NO SD memory card is inserted in AUTO mode. The camera cannot capture without external memory.

Please inserts a SD memory card.

Image capacity is based on average use and will vary.

SDHC

MEMORY CHARTS:

D50IR MODEL CAMERA

Resolutions		Picture count stored with 2GB SD Card	
Low	640 x 480	Low	8786
High	2560 x 1920	High	1577
Video	AVI 640 x 480	Video	204

IMPORTANT: Always turn unit off when inserting or removing a memory card to avoid damage and ensure that the camera properly updates the memory information.

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4 SETUP • DEFINITIONS

ON/OFF button
Turn the unit On or OFF. To turn ON you must press and hold the ON/OFF button until the LCD display activates.

MODE SWITCH
Depending on the position of the switch, there are 3 possible functions: IR AIM, SETUP and AUTO.

EVENT DELAY SWITCH
Depending on the position of the switch, there are 4 event delay time can be set: 1 min, 5mins, 10mins and 30mins.

RESOLUTION SWITCH
Depending on the position of the switch, there is one video option: VID and two images resolution options: HI and LO

UP(▲) OR DOWN (▼) BUTTON
Used to change the settings within the SETUP mode.

SELECT BUTTON
Make selections in SETUP mode.

ENTER BUTTON
Confirm the selection in SETUP mode.

SD MEMORY CARD PORT
Insert SD card for memory with the metal contact facing down. A SD card is required in order for the camera to capture images/videos.

STATUS INDICATOR
To indicate a motion is detected in IR AIM mode.

STATUS

BATTERY INDICATOR
-To indicate the batteries are low, please replace batteries with fresh batteries.

BATTERY

ON/OFF
MODE   DELAY   RESOLUTION

SELECT   ENTER

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1 SETUP • LOAD BATTERY

Unlock the two latches to open the camera cover.
Insert 4 fresh C Cell alkaline batteries into the battery compartment. Place the batteries so the positive (+) and negative (-) polarities are lined up correctly as indicated in the battery compartment. Close the camera cover. When the battery indicator turns "Green", replace the batteries with fresh C cell alkaline batteries.

2 SETUP • PROGRAMMING

TURN POWER ON AND OFF
Open the camera cover. Slide the MODE switch to the SETUP position. Press and hold the ON/OFF button until the time appear on the LCD display. If you want to turn the unit off, simply press the ON/OFF button again. The LCD shows "OFF" and then goes off.
NOTE: If there is no activity for 2 minutes, the camera will automatically shut off to conserve battery life.

pg. 1

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10 WARRANTY

This product has been thoroughly tested and inspected before shipment. It is guaranteed from defects in material and workmanship from the date of purchase for 1 year. Under this limited guarantee we agree to replace or repair free of charge any part or parts which have been found to be defective in original material or workmanship. Should you require in-warranty service, call our Customer Service Department. If your problem cannot be addressed over the telephone, we may need you to send us your defective product plus proof of purchase.

IMPORTANT:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
  Changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

IF YOU HAVE A PROBLEM CALL US,
DO NOT RETURN TO THE RETAILER.
Moultrie Customer Service
(205) 664-6700 or (800) 653-3334
www.moultriefeeders.com

Moultrie Feeders
150 Industrial Rd.
Alabaster, AL 35007
Printed in China
(0307)

This product is covered by one or more of the following
US Patents: 6735387, 6768868, 6834162 and other pending patents.
Warning! This product contains lead, a chemical known to the state of California to cause cancer, birth defects and other reproductive harm.
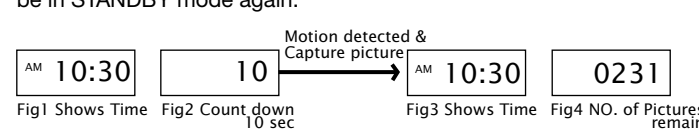
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4 SETUP • DEFINITIONS

SETUP MODE
To change digital camera settings, the MODE switch has to be in the SETUP position.

AUTO MODE
Turn the MODE switch to the AUTO position, press and hold the ON/OFF button to switch on the camera. In the AUTO mode, the LCD display shows the time(Fig1) and then counts down for 10 sec(Fig2). The LCD goes off and the camera is STANDBY for capturing.

If a motion is detected, the camera will wake up and show the time(Fig3). While a picture or video clip is capturing, the LCD shows "SNAP". After the capturing process is finished, it will show the number of pictures or video clips remain(Fig4). Then the camera will be in STANDBY mode again.
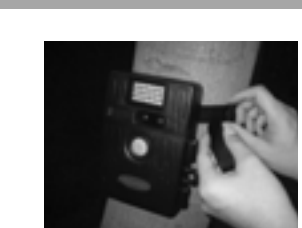
AM 10:30   10   Motion detected & Capture picture   AM 10:30   0231
Fig1 Shows Time Fig2 Count down 10 sec   Fig3 Shows Time   Fig4 NO. of Pictures remain

MEMORY FULL
In the AUTO mode, if the LCD shows "0000", it means that the memory is full. The camera will shut off automatically to save battery life. Please insert an empty SD memory card for memory space.

LOW BATTERY
If the BATTERY indicator turns green, it means that the battery is low. Please replace batteries with fresh batteries.

5 OPERATIONS • MOUNTING

MOUNTING CAMERA
Use the mounting strap included to mount the camera securely in the desired location.

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6 OPERATIONS • AIMING

INFRARED (IR) AIM
The camera can be aimed using the infrared detection system. Slide the MODE switch to IR AIM position. Press and hold the ON/OFF button until "Ir" is displayed on the LCD panel. The IR aiming mode is now active. Wave your hand in front of the camera. The STATUS light will turn red every time motion is detected. Find your desired target.
Note: The camera will shut down automatically after 2 minutes to save battery life.

THINGS TO REMEMBER

1. This camera is activated by infrared sensors that detect game by sensing a moving heat source whose temperature is different than the ambient temperature. temperatures and type of movement will effect the sensitivity of your camera. To verify the sensitivity you must go to the IR AIM mode and walk across the field of view at various distances from the camera noting the status light activity.

2. To maximize battery life the camera "sleeps" when no activity occurs for 2 minutes. It takes a couple of seconds (Flash will be slightly longer) to "wake" the camera when activity occurs. ONLY AFTER THE CAMERA WAKES will game movement result in a picture.

3. Battery life is different for every user! it is determined by the quality of the battery, amount of charge, temperature, number and type of pictures taken. You should expect an average of 60 days run time in above freezing weather, taking an average amount of photos daily. However, If you take a large number of photos it will shorten your running time in the field. This camera will not operate consonantly in below freezing temperatures.

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3 SETUP • MODE SELECTION

GENERAL OPERATION
1. Automatic AUTO mode records images/videos using infrared detection. ALWAYS LEAVE THE MODE SWITCH IN THE AUTO MODE OR THE CAMERA WILL NOT OPERATE.

2. Setup SETUP mode for setting up Date and Time as described in previous section.

3. IR Aim IR AIM mode for helping you to aim the camera towards the object. Please consult the section 6. OPERTAION – AIMING for detail description.

NOTE: When left inactive for more than 2 minutes in SETUP and IR AIM mode, the camera will automatically shutdown. The camera will need to be restarted to resume operation in SETUP and IR AIM mode.
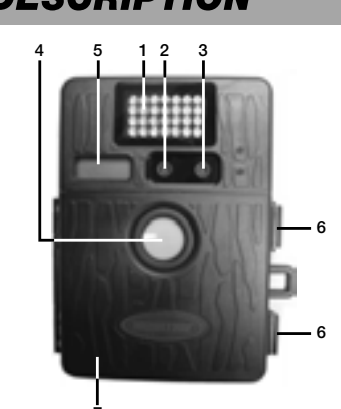
pg. 3

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8 CAMERA – SPECIFICATIONS

Operational Modes:	**Auto** – Automatic operation
	Setup – Set Date and Time
	IR Aim – Infra Red Aiming object
Video:	10 seconds AVI clips
Picture Resolution (pixels):	LO/HI
	(See Section7, Memory • Storage / Capacity)
Format:	JPEG – still images and AVI – video clips
Max. External SD Memory:	UP to 16GB (optional)
Infrared Sensor:	Passive, activated when motion is detected
Infrared Sensor Range:	30 ft. / 22" width
Flash:	IR LEDs
Flash Range:	5 ft. - 30 ft.
Image Output:	Record in SD card
Event Delay:	1 MIN., 5 MIN, 10 MIN. or 30 MIN.
LCD Display Panel:	Displays Date/Time Setup and Images/ Videos Count
Power Supply:	4 Alkaline C Cells batteries
Duty Cycle:	30 days average with 4-C Cell batteries
Adjustable mounting:	Mounting Strap

9 CAMERA • DESCRIPTION

D50IR MODEL CAMERA

1. IR LEDs
2. CAMERA LENS (COLOR SENSOR)
3. CAMERA LENS (BLACK & WHITE SENSOR)
4. PIR SENSOR
5. LCD STATUS DISPLAY
6. LOCKABLE LATCHES
7. WEATHER-RESISTANT CASE

4 5   1 2   3

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