

OPERATIONS • DIAGNOSTIC TEST

Operation: The Diagnostic Test is active only in the SETUP mode. It is used to check the camera functionality and ascertain that the camera is working properly. During this test important subsystems are tested.

1) **Starting Self Test:** Press the button marked "Diagnostic Test" to start testing. Pressing the button again while the test is running will not stop test.

2) **Self Test Messages:** A set of messages indicating the status of the self test will be displayed during the self test procedure. A 6-digit error code will be displayed at the end of the test for 12 seconds indicating the status of the camera system. A code of "000000" is a complete systems pass and will cause the message "All Systems OK" to be displayed for 5 seconds.

Battery test	Error Code	Clock test
Battery Passed 0	000000	Clock Passed 0
Battery O.V. -or- Battery Low 1		Clock Failed 9
Flash test/Flash charging		Memory test
Flash Passed 0	Memory OK -or- NO SD Card MemOK 0	Memory Full 5
Flash Failed 2	SD Card Locked 6	SD Card Damaged 7
IR Sensor test	Camera mod test	Comms Error 8
IR Sensor Passed 0	Cam Mod Passed 0	
IR Sensor Failed 3	Cam Mod Failed 4	

6 MEMORY • CAPACITY & STORAGE

Your digital game camera has two types of memory capacity.

- 1) Internal memory.
- 2) Optional SD memory card.

NOTE: Optional SD memory card will override internal memory. Maximum card size is 1 GB. Image capacity is based on average use and will vary.

Resolutions	
Standard	640 x 480
High Res	1024 x 768
Enhanced	2048 x 1536
Video	AVI 320 x 240 / 10 seconds
Pictures/Videos Stored in 16MB Memory	
Standard	100 pictures
High Res	40 pictures
Enhanced	10 pictures
Video	9 video clips

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.

SD MEMORY CARD NOT INSTALLED: When the camera is turned on and an SD memory card is not present, pictures are automatically stored in the on-board camera memory. The stored images may only be viewed on a computer or TV connected to the unit.

INSERTING AN SD MEMORY CARD: When an SD memory card is inserted, any pictures stored in the camera on-board memory become inaccessible, but are not lost. The user can access these pictures via the camera USB port when the SD memory card is not installed.

NOTE: If you get a message (CHECK MEMORY CARD) Your card may be defective and will not work.

2 SETUP • LOAD BATTERY

Insert a fresh 6Volt/6ah lantern battery or equivalent. Connect the Red(+) & Black(-) clips to the battery and lower the battery hold down arms. Battery life is about 6 weeks depending on temperature and usage. When B = 20% replace battery.



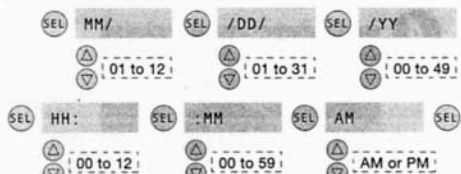
SETUP • PROGRAMMING

SETUP MENU

Press the (MODE) button on the game camera to enter setup. Press the (CHANGE BUTTONS) to scroll between setting choices. The feature setting will flash in the LCD until set. Press the (SELECT BUTTON) to accept settings and move to the next selection. Programming will rotate between functions until you exit the SETUP feature.

SETUP DATE/TIME

MM/DD/YY HH:MMAM



Press the (SELECT) button, LCD will flash month (MM), use (CHANGE) buttons to set month, press (SELECT) to move to Day and (CHANGE) to set.

RESET EVENTS

SEL NO YES SEL

Scroll using the (CHANGE BUTTONS) to choose whether you would like to reset the number of events counted. Choosing yes will reset the events back to (00).
Note: To indicate that the action is complete Done will briefly be displayed when (YES) is selected.

ERASE IMAGES

SEL NO YES SEL

Scroll using the (CHANGE BUTTONS) to choose to erase any stored images on your game camera or optional memory card. Deleting will occur for one image at a time. **CAUTION:** Selecting (YES) will erase ALL images in this setting. To erase a single image, go to TV out mode and depress the Diagnostic/Image Delete button to delete the image shown.

DEFAULT SETTINGS

SEL NO YES SEL

Scroll using the (CHANGE BUTTONS) if you wish to set the camera to its default factory settings.

OPERATIONS • IMAGE VIEWING

TV IMAGE VIEWING

Move the Switch to (ON). Connect unit TV OUT to a VIDEO IN jack on your TV. Use the (CHANGE) buttons to scroll through recorded images. Video cable included. TV OUT works only in (SETUP) mode. All pictures on memory card can be printed or edited directly from the card.

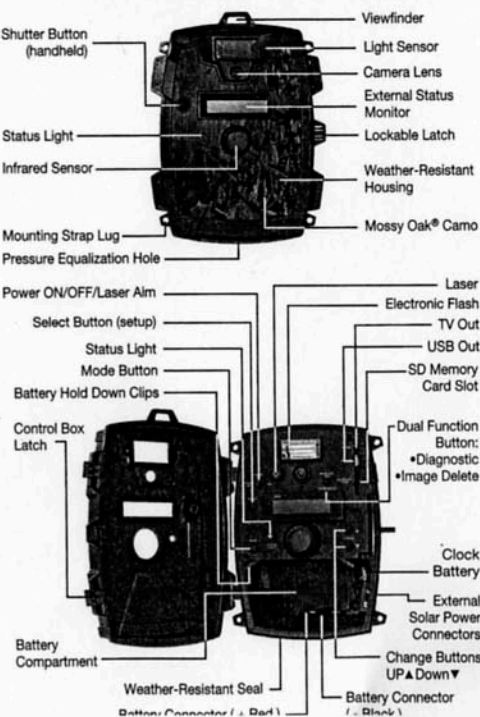
Use optional card reader to read images on card.

COMPUTER IMAGE VIEWING (Setup Mode Only)

Move the Switch to (ON). Connect unit USB OUT to a USB jack on the computer. Double click "My Computer" on the desktop and browse "removable disk". USB works only in SETUP mode. All your images will be stored inside. Images can be downloaded to your hard drive. The first image in the video mode is still and contains time and date information for the video clip.

NOTE: PC requires windows 2000/ME/XP.

7 CAMERA • DESCRIPTION



FLASH

(SECURITY)
SEL ON AUTO OFF SEL

Scroll using the (CHANGE BUTTONS). Press (SELECT) to choose camera flash setting: (ON), (AUTO), OR (OFF). **Note:** In the Off/Security mode you will get dark or blank pictures at night or in low light.

IMAGE MODE

SEL STILL VIDEO SEL

Scroll using the (CHANGE BUTTONS). Press (SELECT) to choose between: (STILL), or (VIDEO). **IMPORTANT:** In the video mode the camera will revert to still pictures with a flash in low light situations.

IMAGE QUALITY

SEL STANDARD HIGH ENHANCED SEL
640x480 1024x768 2048x1536

Scroll using the (CHANGE BUTTONS). Press (SELECT) to choose between the image quality choices.

IMAGE DELAY

SEL 1 MIN 5 MIN 10 MIN SEL
30 MIN 60 MIN SEL

Scroll using the (CHANGE BUTTONS). Press (SELECT) to choose the desired delay time.

MULTI-IMAGE

SEL 1-SHOT 2-SHOT 3-SHOT SEL

Scroll using the (CHANGE BUTTONS). Press (SELECT) to choose the number of pictures to be shot in sequence.

CAMERA ID

SEL XXXXXXXX SEL

Scroll using the (CHANGE BUTTONS). Press (SELECT) to set camera's ID number. Camera ID consists of 8 characters in the set: (A to Z, 0 to 9, Dash and Space).

TEMPERATURE

SEL Deg F Deg C SEL

Scroll using the (CHANGE BUTTONS). Press (SELECT) to choose the type of temperature unit you want to show in the photo imprint strip.

IR AIM

SEL OFF ON SEL

Scroll using the (CHANGE BUTTONS). Press (SELECT) to choose ON if you want to use the Infrared to aim the system.

You are done with setup. To exit setup press the MODE button again.

8 CAMERA • SPECIFICATIONS

Operational Mode Housing Display LCD Status Display

Status LED Sensor

Built-in Memory Memory Card Format

Image Output USB Output Picture Delay Sequential Delay Lens

Field of View Focus

Infrared Sensor Infrared Distance Infrared Width

Flash Flash Range Flash Cycle

Power Supply Duty Cycle

Power Connection Battery Hold Downs

Clock Battery Laser Aim (optional)

Size Accessories

Auto or Handheld
Weather-resistant and lockable
Liquid Crystal Display (LCD)
Operating Mode Pictures taken
Pictures left Events
Battery Strength Camera status
Camera, Flash or IR activity
3.1 Megapixel
Stores pictures or video
Up to 1 GB SD card (optional)
JPEG - Still pictures, AVI - Video clips
USB OUT, TV OUT, SD Card
Requires PC / Windows 2000/ME/XP.
Variable 1 Minute - 60 Minutes
15 Seconds between still pictures
Multi element, 10.2mm, F:2.8
42°
4' - Infinity
Passive
32'
22°
On, Auto or Off (Security)
32'
11 sec. or less depending on battery size
6 Volt Lantern Battery or equivalent
6 weeks average with 6 volt/6 ah battery
Alligator clips, red = (+) / black = (-)
Holds pictures in place
3 V. Battery powers LCD Time/Date
Class 2
7" X 10.25" X 3.5"
Rechargeable battery, Memory Cards.

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 which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Moultrie Feeders
150 Industrial Rd.
Alabaster, AL 35007

Moultrie Customer Service
(205) 664-6700 or (800) 653-3334.
www.moultriefeeders.com

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3 SETUP • MODE SELECTION

GENERAL OPERATION

Your digital game camera can be used two ways.
1) Automatic (AUTO) mode records images using infrared detection. Use default or custom settings.
2) (HANDHELD) mode records images using manual operation when circumstances warrant.



NOTE: NEVER OPERATE THE CAMERA WITH FRONT DOOR OPEN.

SELECT MODE

Press the (MODE) button to scroll between modes. Choose between two operational modes.

MODE SELECTIONS

(AUTO MODE) - Automatic operation.

MODE AUTO R=0093 / 1250
B=3456 B=94% DLY

Pictures taken
Total pictures

Displays when the camera is in a delay state.

BATTERY STRENGTH

(HANDHELD MODE) - Manual operation.

MODE HANDHELD B=94%
P=0093 / 1250

(SETUP MODE) - Used to set Game Camera settings. This screen appears when the camera enters SETUP mode. Additional menu screens appear as you move through the SETUP functions. Please refer to (SETTING UP GAME CAMERA) to identify the different SETUP screen displays.

MODE SETUP DATE/TIME
MM/DD/YY HH:MM

4 SETUP • DEFINITIONS

CLOCK BATTERY

The small CR2025 button battery powers the clock. It should be replaced as required.

TURNING THE UNIT ON / OFF

(POWER ON) In the Auto Mode the led flashes for 30 seconds before arming the system. When the LED goes out the system is ready to detect motion.

1 QUICK START

3 EASY STEPS and you are ready to go!

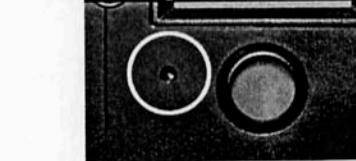
A Load Battery and Turn On Power



B Set Time and Date



C Set to Auto and Wait for Light to Go Out



(TURNING OFF) The unit saves all setup data and turns OFF. Turning the unit ON & OFF resets the internal systems. This will not change your settings or erase images.

SEQUENTIAL IMAGES

(MULTIPLE PICTURES PER EVENT) Depending on user settings the camera may take 1, 2 or 3 pictures per event spaced approximately 12 seconds apart. If the camera fails to detect motion after the first detection the camera will still take subsequent pictures. When capture mode is set to video or the camera is in (HANDHELD) mode this setting is ignored.

AUTOMATIC FUNCTIONS

(LOW LIGHT OR NIGHT SITUATIONS) The video clip function will be automatically switched to still photos in low light or night situations.

NOTE: In TV Out mode each video clip is preceded by a still image which shows capture information.

(DELAY STATUS MENU) During (AUTO) mode, when delay mode is activated it will be indicated on the LCD panel as (DLY).

MEMORY ERROR MESSAGES

(MEMORY FULL) Turn off the unit; then turn it back on; when the unit is turned on it goes directly to the (SETUP) mode; Go to the (ERASE MEMORY) menu item to delete all the images from the memory or SD Card.
(SD CARD LOCKED) Turn the unit off; remove the SD card; unlock it; then insert it; then turn the unit back on.
(SD CARD BAD) Turn the unit off; remove the SD card; insert a new SD card or clean the contacts; turn the unit back on.

5 OPERATIONS • MOUNTING

MOUNTING CAMERA

Using mounting straps, mount the system securely in the desired location.



OPERATIONS • AIMING LASER

LASER AIMING

Slide the (Power/on/off/aim) switch to the (aim) position. Using the laser aim your camera. The red dot indicates the target area.

CAUTION: Looking into laser may be hazardous to the eyes. Do not stare into beam or aim at other people unnecessarily.



CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
DIODE LASER
1mW MAX OUTPUT at 650 nm
CLASS II LASER PRODUCT



Product complies with applicable requirements of 21 CFR 1040.10 and 1040.11

Laser Classification
Class II Laser Product
Wavelength: 650nm
Maximum Output: < 1mW