

I N S T R U C T I O N S

# Yukon Mobile



# Player/Recorder



[www.yukonopticsglobal.com](http://www.yukonopticsglobal.com)



**RoHS**  
COMPLIANT  
PRODUCT



## **WARNING**

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

### **Attention**

The electromagnetic fields at the specific frequencies may influence the picture of the recorder.

Be sure to read the following before using the recorder and the mini Camera.

### **Trial recording**

Before you record one-time events, you may want to make a trial recording to make sure that the recorder and the camera are working correctly.

### **Notes on image data compatibility**

Playback of moving images recorded with your recorder on other equipment

and playback of moving images recorded or edited with other equipment on your recorder are not guaranteed.

### **Do not shake or strike the recorder**

In addition to malfunctions and inability to record moving images, this may render the SD card unusable of image data breakdown, damage or loss may occur.

### **LCD screen and mini camera**

Be careful when placing the camera near a window or outdoors. Exposing the LCD screen or the lens of camera to direct sunlight for long period may cause malfunctions.

### **Back up recommendation**

To avoid the potential risk of data loss always copy data to a disk.



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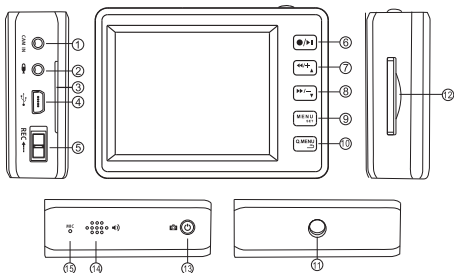
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## Components and controls



- |                           |                       |
|---------------------------|-----------------------|
| ① AV input                | ⑧ [FWD] FWD / VOL -   |
| ② Microphone input        | ⑨ [MENU] Menu key     |
| ③ LED indicator           | ⑩ [RETURN] Return key |
| ④ AV OUT/USB/DC IN        | ⑪ Tripod thread       |
| ⑤ One touch record switch | ⑫ SD memory card slot |
| ⑥ [PLAY] Play / OK        | ⑬ Power button/photo  |
| ⑦ [REW] REW / VOL +       | ⑭ Speaker             |
|                           | ⑮ Built-in microphone |

## Package contents

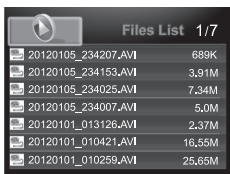
- |                                |                        |
|--------------------------------|------------------------|
| ● Yukon Mobile Player/Recorder | ● Rechargeable battery |
| ● AV IN cable                  | ● AC Charger           |
| ● AV OUT cable                 | ● SD memory card       |
| ● USB cable                    | ● User manual          |
| ● Waist clip                   | ● Warranty card        |

*For improvement purposes, design of this product is subject to change.*

## Getting Started

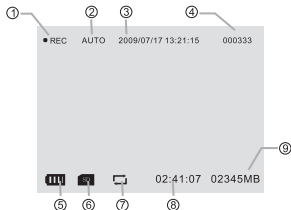
### LCD screen indicators

#### Playback Mode

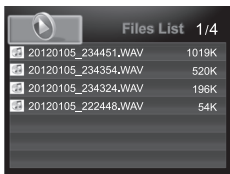


⑩

#### Recording Mode

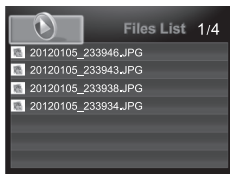


#### Playback Mode



⑪

#### Playback Mode



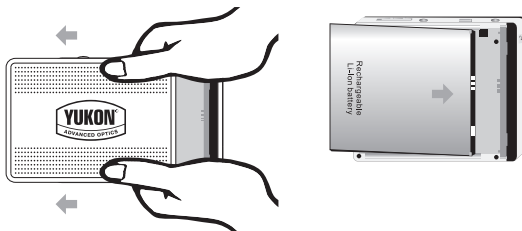
⑫

- ① Recording symbol
- ② Motion detection symbol
- ③ Date/Time
- ④ Number of frames indicator
- ⑤ Low battery indicator
- ⑥ SD card symbol
- ⑦ Cyclic recording symbol

- ⑧ Elapsed recording time
- ⑨ Remaining memory
- ⑩ Recorded video files
- ⑪ Recorded audio files
- ⑫ Recorded photo files

### Battery Installation

Your Yukon MPR operates with a mobile phone battery pack.



### Installing the battery

Open the battery cover by slightly pushing its edge using your thumbs and slide as shown in the picture.

Insert the battery pack to make sure that battery's contacts match the contacts of the MPR.

Close the battery cover.

### Charging the battery

Connect the USB cable to the AC power adapter.

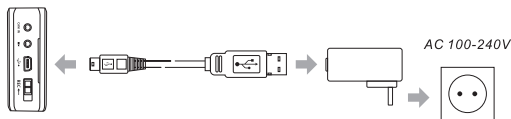
Insert the USB cable into the USB port (4) of your MPR.

Plug the AC power adapter into the socket.

The LED indicator (3) on your MPR lights red when charging.

Approx. charging time is 240 min.

The battery is fully charged when the LED indicator goes off.



The battery can also be charged by connecting the USB cable to the USB port of your computer/laptop.

Charging time is longer in this case.

## Getting Started

### Battery life

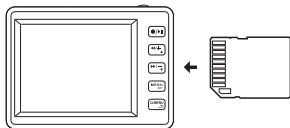
#### Movie recording mode

Battery pack capacity	Continuous recording time (approx.)
1400 mAh	140 min (fully charged battery)

#### Movie playback mode

Battery pack capacity	Continuous playback time (approx.)
1400 mAh	240 min (fully charged battery)

### Inserting the SD card



Insert the SD card into the SD slot as shown in the picture.

### Recording time based on memory capacity

SD card capacity	720x480	640x480	320x240
2GB	Approx. 65 min	Approx. 75 min	Approx. 310 min
4GB	Approx. 130 min	Approx. 150 min	Approx. 620 min
8GB	Approx. 260 min	Approx. 300 min	Approx. 1240 min
16GB	Approx. 520 min	Approx. 600 min	Approx. 2480 min
32GB	Approx. 1040 min	Approx. 1200 min	Approx. 4960 min



### One Touch Record

Moving images are recorded in AVI (MPEG-4) format.

### One Touch Record (video and audio)

- When the MPR is turned off, connect a digital NV device and slide the switch (5) upwards. The LED indicator flashing red means that video and audio recording is in progress.



- Slide the switch (5) downwards to save a video and audio recording.

### One Touch Record (sound)

- When the MPR is turned off, do not connect a digital NV device and slide the switch (5) upwards. The LED indicator flashing green means sound recording is in progress.

- Slide the switch button (5) downwards to save your sound record.

### LED Indicator

**Recording video:** flashing red

**Recording audio:** flashing green

**Normal operation:** stable blue

**No signal/Low power/Memory full alarm:** flashing blue

**Fully charged:** red light is off

**Charging:** red light is on

### Exposure value (EV) adjustment

EV can be adjusted in Preview/Record mode with buttons 8 (value decrease) and 7 (value increase).

EV adjustment range from -3 to +3.



### Slide Show

In photo playback mode, press [●/▶] to enable photo slide show.

## Basic Operations

### Recording with digital night vision monoculars (Ranger 5x42/Ranger Pro 5x42/Recon series etc.)

- Connect the plug of the Ranger's AV OUT cable to the Ranger's "AV out" port (see Fig. 1 below).
- Connect the yellow plug of the recorder's AV IN cable to the yellow jack of the Ranger's AV cable.
- Connect the thin plug of the recorder's AV IN cable to the AV IN port of the video recorder.
- Start the video recorder, turn on your digital monocular.
- Adjust the image in your digital monocular according to the instructions before recording.

### Recording with digital riflescopes of the Digisight series

- Connect the yellow plug of the Digisight cable to the AV OUT port of the digital riflescope (see Fig. 2).
- Connect the other plug of the Digisight cable to the AV IN port of the video recorder.
- Start the video recorder and the riflescope.
- Adjust the image in your riflescope according to the instructions before recording.

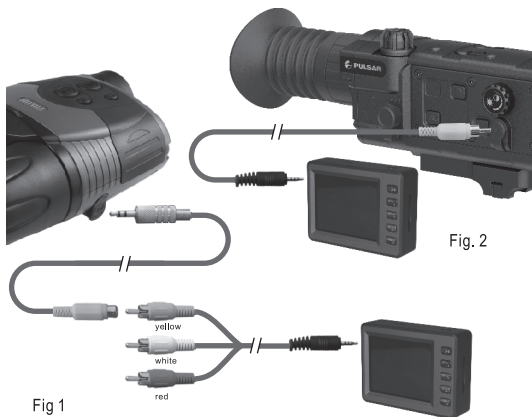





Fig. 2

Fig 1


## Basic Operations

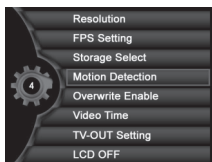
### Motion Detection


Moving image are recorded in AVI (MPEG-4) format.

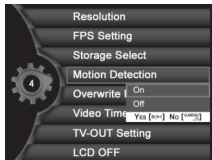
- When the MPR is off, connect a digital NV device, press and hold the power button [  ] for two seconds to enter preview screen.
- Press the menu button [  ] and select "System setting", press [  ] to enter System Setting menu.




- Press [  ] or [  ] and select "Motion detection"






- Select "ON" and press [  ] to activate the Motion Detection function as illustrated.





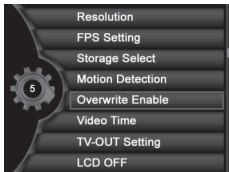
After setting, return to the preview screen by pressing [  ].  
Icon "AUTO" in the upper part of the screen means motion detection is activated.

### Overwrite Enable (cyclic recording)

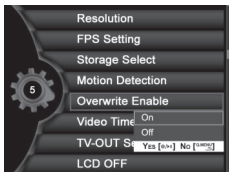
- When the MPR is off, connect a digital NV device, press and hold the power button [  ] for two seconds to enter preview screen.
- b. Press the menu button [  ], select "System setting" and press [  ] to enter System Setting menu.




- Press [  ] or [  ] and select "Overwrite Enable".





- Select "ON" and press [  ] to start enable overwrite.




After setting, return to the preview screen, "[  ]" shows in the bottom-left part of the screen.

### Recording moving images

- Press and hold the power button [  ] for two seconds to enter preview screen.
- Press [  ] to start recording, the red LED indicator is flashing during recording. "Rec" shows in the upper left corner of the screen.





- Press [  ] to stop and save a record, the red LED goes off.



### Recording moving images from TV set and other video sources

- When the MPR is off, connect the MPR with TV or another video source via AV input cable.



- Press [  ] and hold for two seconds to enter preview screen.
- Press [  ] to start recording, the LED indicator flashes red during recording. "Rec" icon appears in the upper left corner of the screen.

## Playback

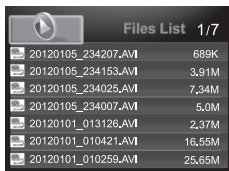
- In the state of preview, press [MENU], select "Record Playback".



- Select "Video", "Photo" or "Audio" and press [OK].



- Enter "Video", select the required video file with [Left] or [Right] key.
- Press [OK] key to play back the selected video file.



- Press [Stop] key to stop playback.
- Press [MENU] key to return to the list of recorded files. Enter "Photo" and "Audio" mode, operation procedure is the same as described above.

### Playback of media files on MPR (music, movie, photo)

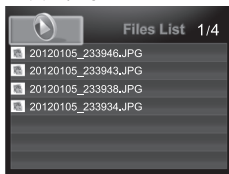
- In the state of preview, press [ **MENU** ] to enter the Media Playback mode.



- Enter "Photo", select the required Photo files with [ **←** ] or [ **→** ] key.



- Press [ **▶** ] key to play back the selected photo file.
- Press [ **◀** ] key to stop playing.

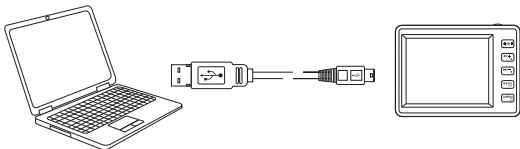


- Press [ **MENU** ] key to return the list of recorded files.  
Enter "Music" or "Movie" mode, operation is the same as described above.

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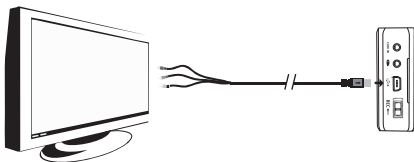
### Playback of files on PC

- Remove the SD card, connect it with the computer via a card reader.
- Turn on the MPR, connect it to your computer/laptop using a USB cable.
- "Connect to PC" message appears on MPR's display.
- Choose the desired file and press Playback button on your computer.



### Playback of moving images on TV screen (video, photo, audio)

- In the state of preview, connect the MPR with TV/monitor via AV output cable.



- Press the [MENU] button, select "System Setting"



- Press [◀+1] or [▶/7], and [●/M] in "TV-OUT Setting" option to select "PAL" or "NTSC". Image will be transmitted from the MPR to the TV.



- Further operations are the same as described above (playback of video images on the MPR).

### Updating media files (music, movie, photo)

- Remove the SD card, connect it with the computer via a card reader.
- Turn on the MPR, connect it to your computer/laptop using a USB cable. "PC connection" message appears on MPR's display.



- Media formats

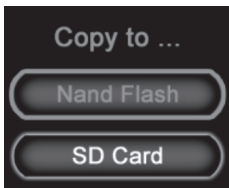
Music	MP3/MP2.5
Movie	AVI
Photo	JPG/JPEG

### Copying recorded files

- In the playback mode, press [●/▶] to enter submenu.
- Select the desired file, press [MENU SET].



- Select "Copy to", Press "Nand flash" or "SD" as illustrated.



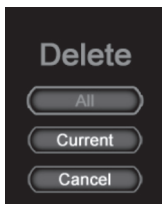
---

### Deleting recorded files

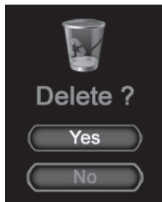
- In the playback mode press [ ●/▶ ] to enter submenu.
- Select the required file, press [ MENU ].



- Select "Delete", press "All" or "Current" or "Cancel" as illustrated.

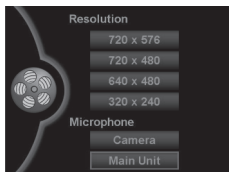
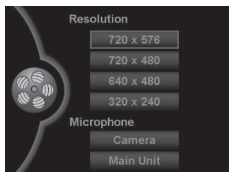


- Press [ ●/▶ ], select "Yes" or "No" as illustrated.



### Setting recording parameters

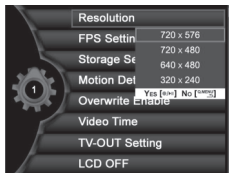
- In the state of preview, press [ **Q.MENU** ] into record system setting.
- Select "Resolution" and "Microphone" submenu, press [ **●/▶** ].  
You can use either internal microphone or attach an external one using microphone input (2).



- Press [ **Q.MENU** ] to back to the state of preview.

### Resolution setting

- In the state of preview, press the [ **MENU** ] button, select "System setting".
- Press [ **◀/▶** ] or [ **⏮/⏭** ], select "Resolution".
- Select "720x576" or "720x480" or "640x480" or "320x240" and press [ **●/▶** ].



- Press [ **Q.MENU** ] to return to the system setting menu.

### Frame rate setting

- In the state of preview, press the [MENU] button, select "System setting".
- Press [←] or [→], select "FPS Setting" as illustrated.



- Select "15FPS", "25FPS" or "30FPS" and press [OK].
- Press [MENU] to return to the system setting menu.

### Storage setting

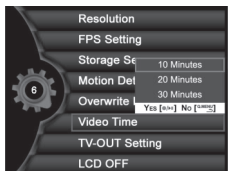
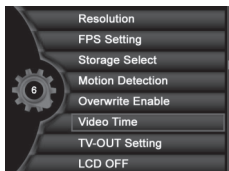
- In the state of preview, press the [MENU] button, select "System setting".
- Press [←] or [→], select "Storage select".



- Select "Internal Memory" or "SD Card" and press [OK].
- Press [MENU] to return to the system setting menu.

### Setting video time

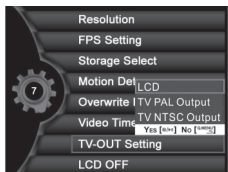
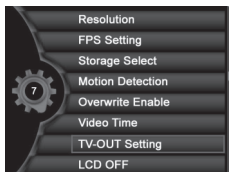
- In the state of preview, press the [MENU] button, select "System setting".
- Press [←/→] or [↶/↷], select "Video Time".



- Select "10 Minutes", "20 Minutes" or "30 Minutes" and press [OK].
- Press [MENU] to back to system setting menu.

### Setting TV-OUT

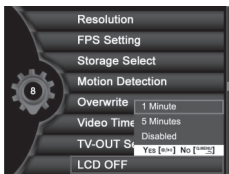
- In the state of preview, press the [MENU] button, select "System setting".
- Press [←/→] or [↶/↷], select the "TV-OUT Setting" as illustrated.



- Select "LCD", "PAL" or "NTSC" and press [OK].
- Press [MENU] to return to the system setting menu.

### Setting LCD OFF

- In the state of preview, press the [MENU] button, select "System setting".
- Press [←] or [→], select the "LCD OFF" as illustrated.



- Select "1 Minute", "5 Minutes" or "Disabled" and press [enter].
- Press [MENU] to return to the system setting menu.

### Setting MPR's Auto Off

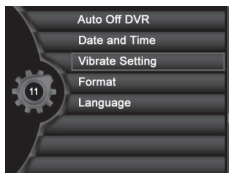
- In the state of preview, press the [MENU] button, select "System setting".
- Press [←] or [→], select the "Auto Off DVR" as illustrated.



- Select "1 Minute", "5 Minutes" or "Disabled" and press [enter].
- Press [MENU] to return to the system setting menu.

### Setting Vibration

- In the state of preview, press the [MENU] button, select "System setting".
- Press [←] or [→], select the "Vibration Setting" as illustrated.



- Select "ON" or "OFF" and press [OK].
- Press [Q.MENU] to return to the system setting menu.

### Language Setting

- In the state of preview, press the [MENU] button, select "System setting".
- Press [←] or [→], select "Language".

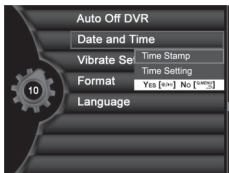


- Select the required language and press [OK].
- Press [Q.MENU] to return to the system setting menu.



## Setting date and time

- In the state of preview, press the [MENU] button, select "System setting".
- Press [←] or [→] and select "Date and time".



- Select "Time stamp", select "ON" or "OFF", press [OK] as illustrated.






- Select "Time setting" to set up the date as illustrated.



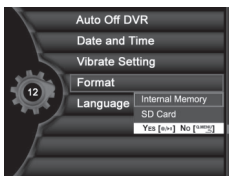
- Press [MENU] to return to the system setting menu.

### Setting Format

- In the state of preview, press the [  ] button, select "System setting".
- Press [  ] or [  ], select "Format".



- Select "Internal Memory" or "SD Card", press [  ] as illustrated.



- Press [  ] to back to system setting menu as illustrated.



**WARNING! FORMATTING WILL DELETE ALL DATA.**

## Specifications

Model#	27041	
Screen	2.5" TFT LCD	
Color system	PAL/NTSC	
Resolution	320x240	
Recording format	AVI	
Recording resolution	720x576	
	720x480	
	640x480	
	320x240	
Frame rate	30fps/25fps/15fps	
Motion detection	Yes	
Cycle recording	Yes	
Time stamp	Yes	
Video time	10/20/30Mins	
LCD Off	1/3/5 Mins/Never	
Auto Power Off	5/10 Mins/Never	
Vibration Function	Yes	
TV-OUT	NTSC/PAL	
AV-IN	LCD/NTSC/PAL	
Storage	Flash memory	
	SD Card	
Playback	Video	Yes
	Audio	Yes
	Photo	Yes
Media	Music/Movie/Photo	
Built-in flash memory	187Mb	
USB jack	USB2.0	
DC Input	DC: 5.0V $\pm$ 1.0A	
Battery pack capacity	3.7V 1400mAh	
SD card	1GB~32GB	
AV Input jack	3 pin, diameter 2.5mm	
AV Output jack	USB-AV jack	
Interface	English, Russian, Chinese, German, Spanish, Italian, French, Czech, Swedish	

## Warranty

The Manufacturer warrants its products against defects in materials and workmanship for a period of three years from the moment of purchase or from the manufacturing date if there is no receipt to prove purchase.

To avoid any problems, please read this user manual.

The warranty does not cover any external damage to the device, its casing or adjustable parts' (i.e. smooth or rough movement).

The manufacturer has the right to render the warranty null and void in the following cases:

- if the device has been modified or tampered with,
- if the device has been dropped or has marks of mechanical or chemical damage,
- if the device has been tampered with by unauthorized repair,
- if the device has been damaged as a result of fire or natural disasters,
- if the device has been damaged as a result of liquids or other substances getting inside.

If the event of activating the warranty repair service, please contact the point of sale where the device was purchased.

Any product returned under the warranty should be packed in a sturdy shipping carton to prevent damage in transit.

In addition, it must be accompanied with the following items:

- Letter explaining the unit's problem.
- Copy of the original receipt showing when and where the product was purchased.
- Return shipping information, including return address and contact person.

Please contact our service centre should you have any questions:  
[euservice@yukonopticsglobal.com](mailto:euservice@yukonopticsglobal.com)



