**Model: HA-2307**





**Description:**

1. 14MP Panasonic COMS sensor
2. 14MP snap shot image and 720P video recording. One button switches snap shot & video mode. --- Button “”.
3. 8 times digital Zoom, press “” and “” to zoom it.
4. Full HD HDMI output, output frequency is 720P, 60Hz.
5. Driver free. 1080P@30fps HD USB video output.
6. Support one key freeze/unfreeze image. When power on, press once the “” button can achieve the function.
7. Support line drawing function. Up to 4 lines on horizontal and vertical which can be movable and set the line color and size. Meanwhile shows the cross line.
8. Support auto & menu exposure.
9. Support EV adjustment
10. Support EN/CH/DE/FR/IT/JP language setting.
11. Support 50Hz, 60Hz light source frequency setting
12. Support HCSD T-flash card (Class 4), max. 32GB.
13. Support to save the function setting after power off

Ports Description:

1. HDMI video output
2. USB B-type HD video output
3. T-flash card port
4. DC power adapter port (DC12V 1A)

**Buttons Description:**

1. : On/off (freeze/ unfreeze) button
2. : Menu
3. : Up/Zoom +
4. : DOWN/ Zoom -
5. : Snap shot/ video/ ok (confirm)
6. : MODEL/ AE (switch mode)

**Operation Description:**

First Step: Power Supply

Inset the 12V 1A DC power adapter to the DC port.

Noted: USB cable can be powered as well.

Second Step: Power on

Press on/off button, Red indicate light is on, camera works well.

Third Step:

If use HDMI output, camera is under preview state; if USB output with PC, please install S-EYE software first. When use USB output, please remove the TF card from the camera.

Forth Step: Operation

1. Snap shot

Under the HDMI output, press “” once for one image & save as JPEG format in TF card.

Note 1: Before snap shot a picture, make sure there is a TF card in the camera, not less than 2GB. Otherwise it will show an error.

Note 2: If it is error after inset the TF card or press “”, please enter menu to format TF card.

1. Video

Under HDMI output, press “”, green indicate light is on, then camera is in video mode. Press “” once, green indicate light is flashing, camera is taking video. The video format is in H.264, 1080P@30fps & save in TF card.

Note 1: Before snap shot a picture, make sure there is a TF card in the camera, not less than 2GB. Otherwise it will show an error.

Note 2: If it is error after inset the TF card or press “”, please enter menu to format TF card.

1. Digital Zoom

Under HDMI output, press “” or ”” to zoom & adjust the image size on preview.

1. Freeze & Unfreeze

Under HDMI output and preview state, press “” can freeze and unfreeze the image.

1. Auto / Manual exposure switch

Under HDMI output & preview state, press “”, camera will switch auto/ manual exposure.

1. Lines display

Under HDMI output & preview state, press “”, choose “line set” and you can select display lines or hide lines. If yes, press  and  to quick menu. Then the camera will show 4 lines on horizon & 4 lines on vertical.

1. Lock & move the lines

Under HDMI output & preview state, press  and choose “line set”, you can set the Line/ Line DIR, Line Position, Line color & Line weight per needed.

Noted 1: Enter “Line set” ---🡪 Cross Hair on ( press )--🡪 show the cross hair on the center

Noted 2: Enter “Line”, press  to select 1-8 lines show one the screen

Noted 3: Line DIR, press  to switch VER or HOR

Noted 4: Line Position, press  or  to move the line position

Noted 5: Line color, press  to select the line color

Noted 6: Line weight, press  to select the line weight

1. Language Setting

Under HDMI & preview state, press , move to Language and enter, you can select display language: English/ French/ Dutch/ 简体中文/繁体中文/Japanese/ Spanish

1. Frequency

Under HDMI & preview state, press  & choose frequency, you can choose 50Hz or 60Hz light source. Press  and save. Press  to quit

1. Exposure

Under HDMI & preview state, press  & choose exposure, press  or  to adjust the exposure. Press  to save

1. Format

Under HDMI & preview state, press  & choose format, system will remind user about format the TF card.

NOTED: Be careful to use the FORMAT function, it will clear all data of the TF card which inset the camera.

1. Default

Under HDMI & preview state, press  & choose Default, press  to default setting

Noted: It will clear all settings after you default the camera.

**Power off:**

Press & hold  for a few second, camera will save all settings and power off. The red indicate light is off. Please remove power adapter